

FIG. 1

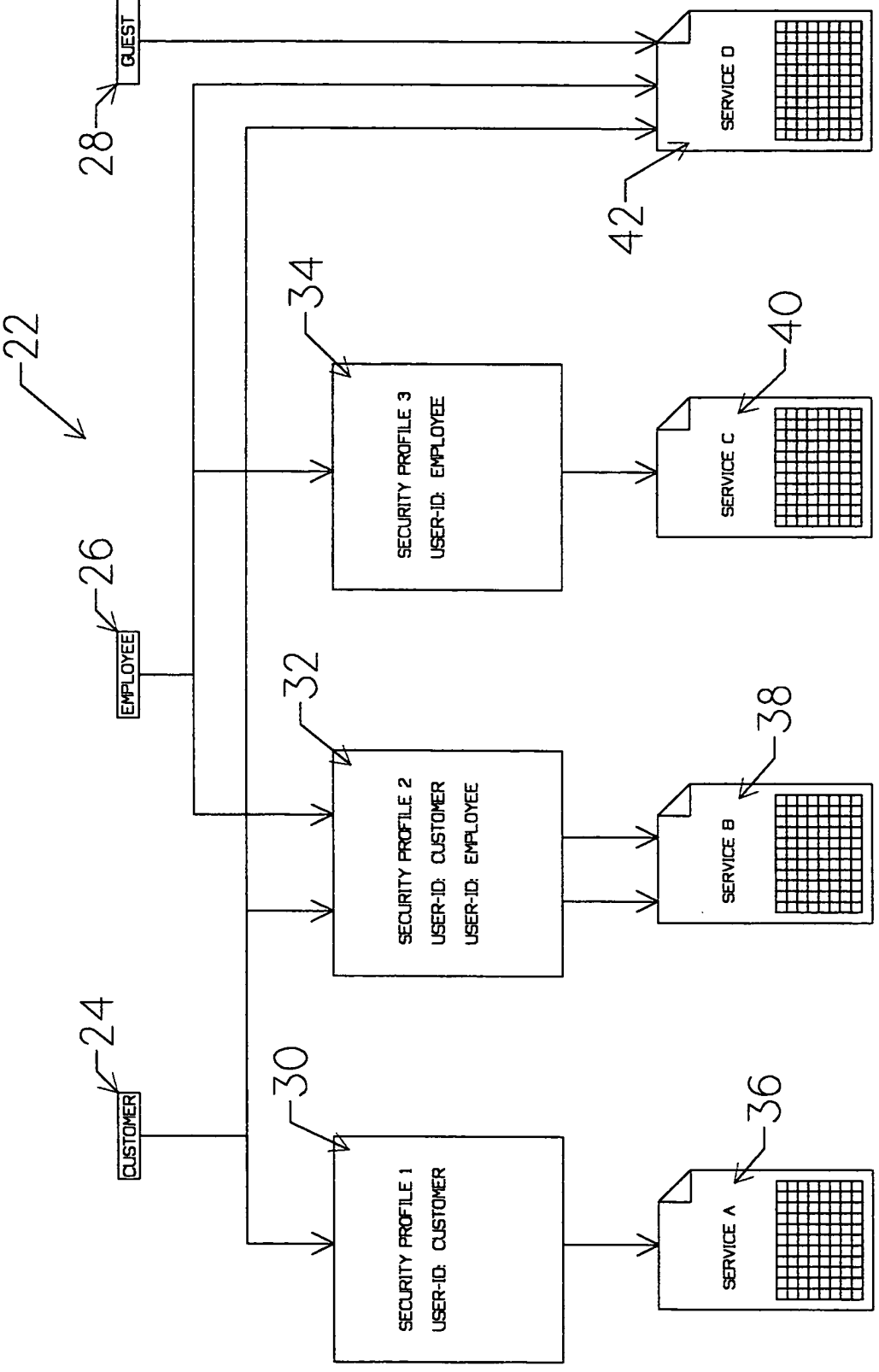


FIG. 2

FIG. 3 is a block diagram of a network system 44. The network system 44 includes a client 46, a web server 50, an enterprise server 54, and a departmental server 58. The client 46 is connected to the web server 50 via a network 48. The web server 50 is connected to the enterprise server 54 via a network 52. The enterprise server 54 is connected to a database 56. The departmental server 58 is connected to a database 60.

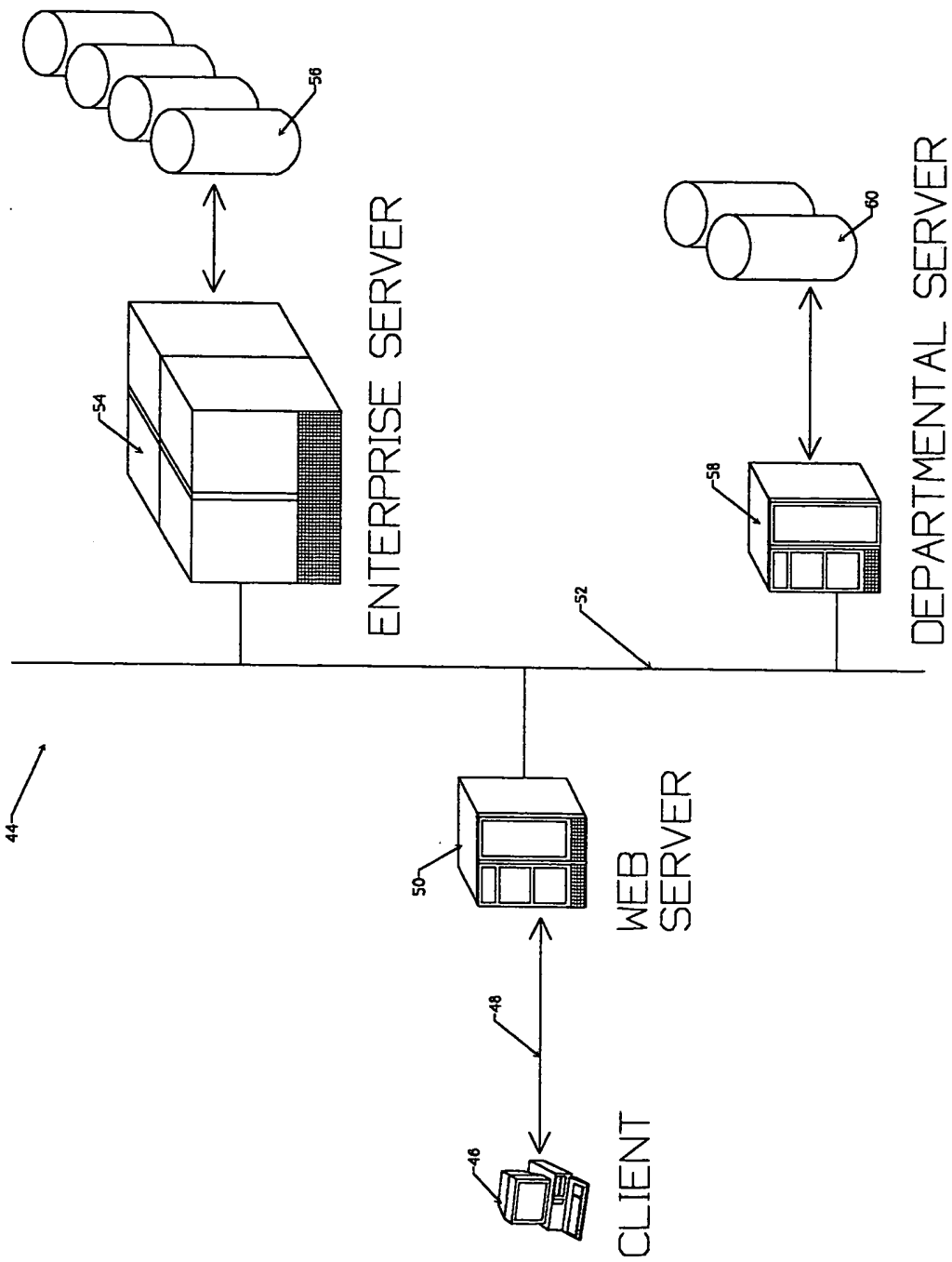


FIG. 3

FIG. 4 is a block diagram of a Cool Ice system architecture. The system includes a Client (64) connected to a Web Server (Cool Ice Domain) (66). The Web Server contains an ASP Proc. (68) with an ASP (Open Serve) (70) and a Default ASP (Native Service) (72). The Default ASP (Native Service) (72) is connected to a Cool Ice Object (74). The Cool Ice Object (74) is connected to a Cool Ice Engine (76). The Cool Ice Engine (76) is connected to a Graphing Engine (78). The Cool Ice Engine (76) is also connected to a Repository (80). The Repository (80) is connected to a Cool Ice Administrator (82). The Cool Ice Administrator (82) is connected to an Enterprise Server (86) and a Departmental Server (88). The Enterprise Server (86) and Departmental Server (88) are connected to a network (84).

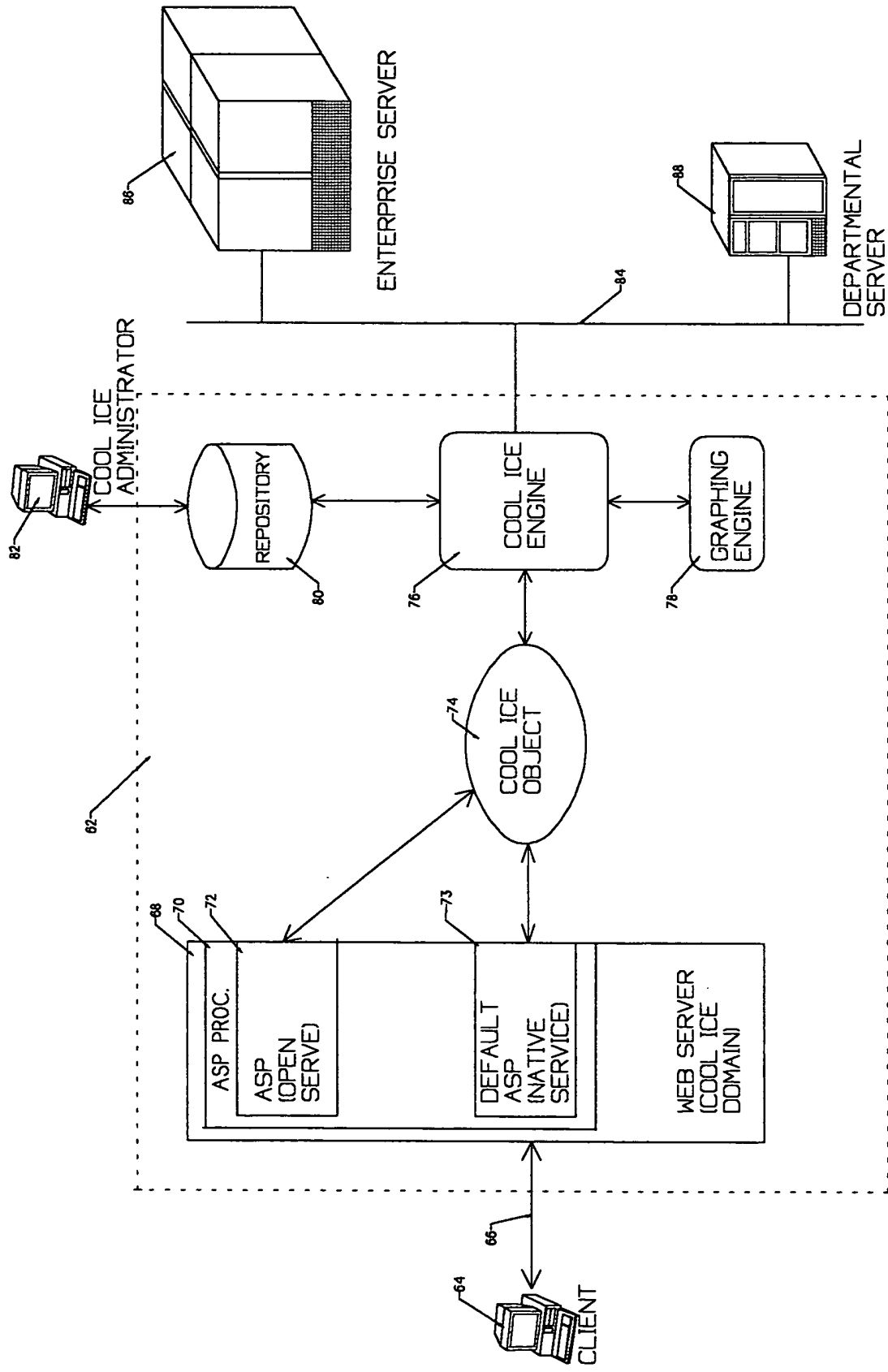


FIG. 4

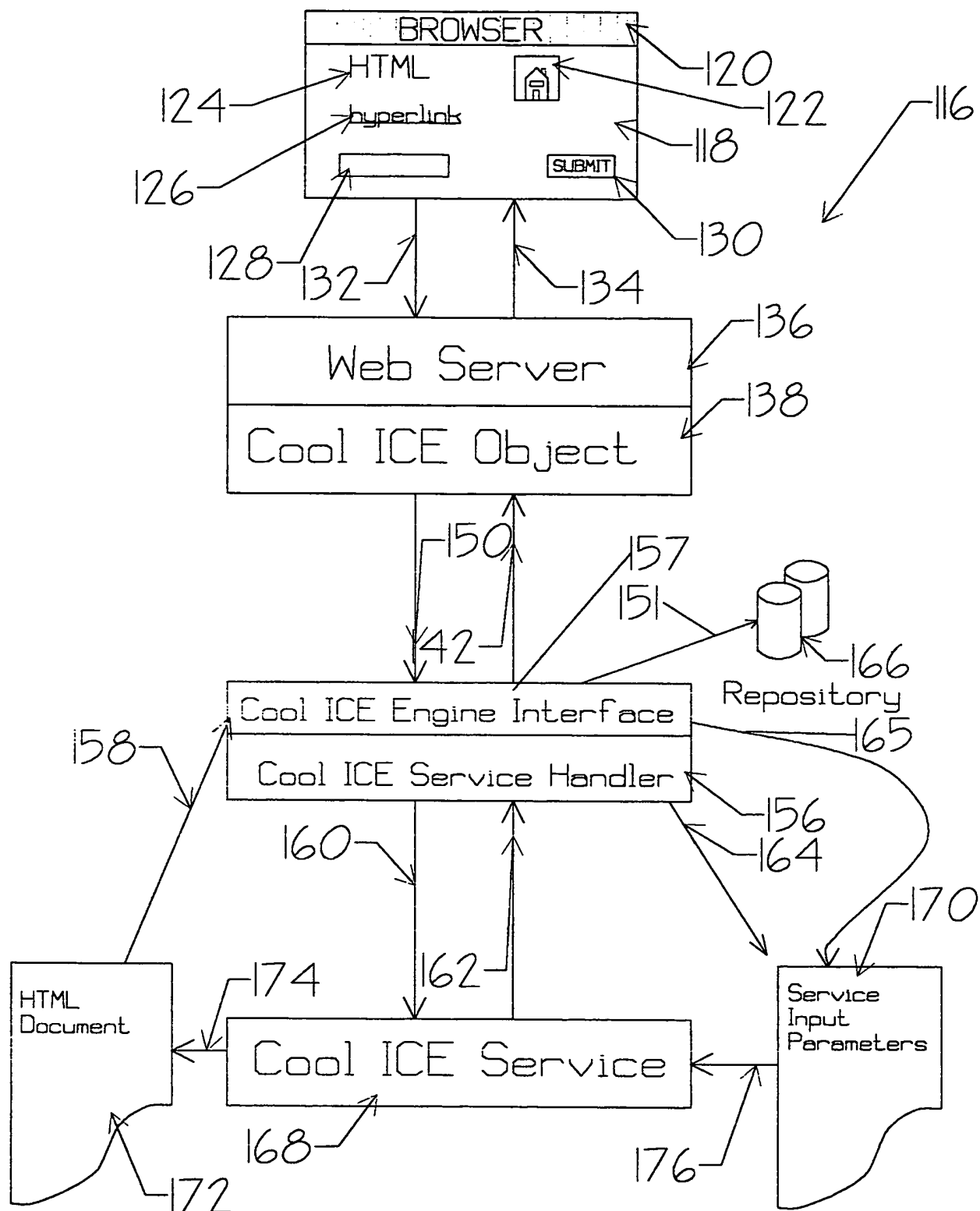


FIG. 6

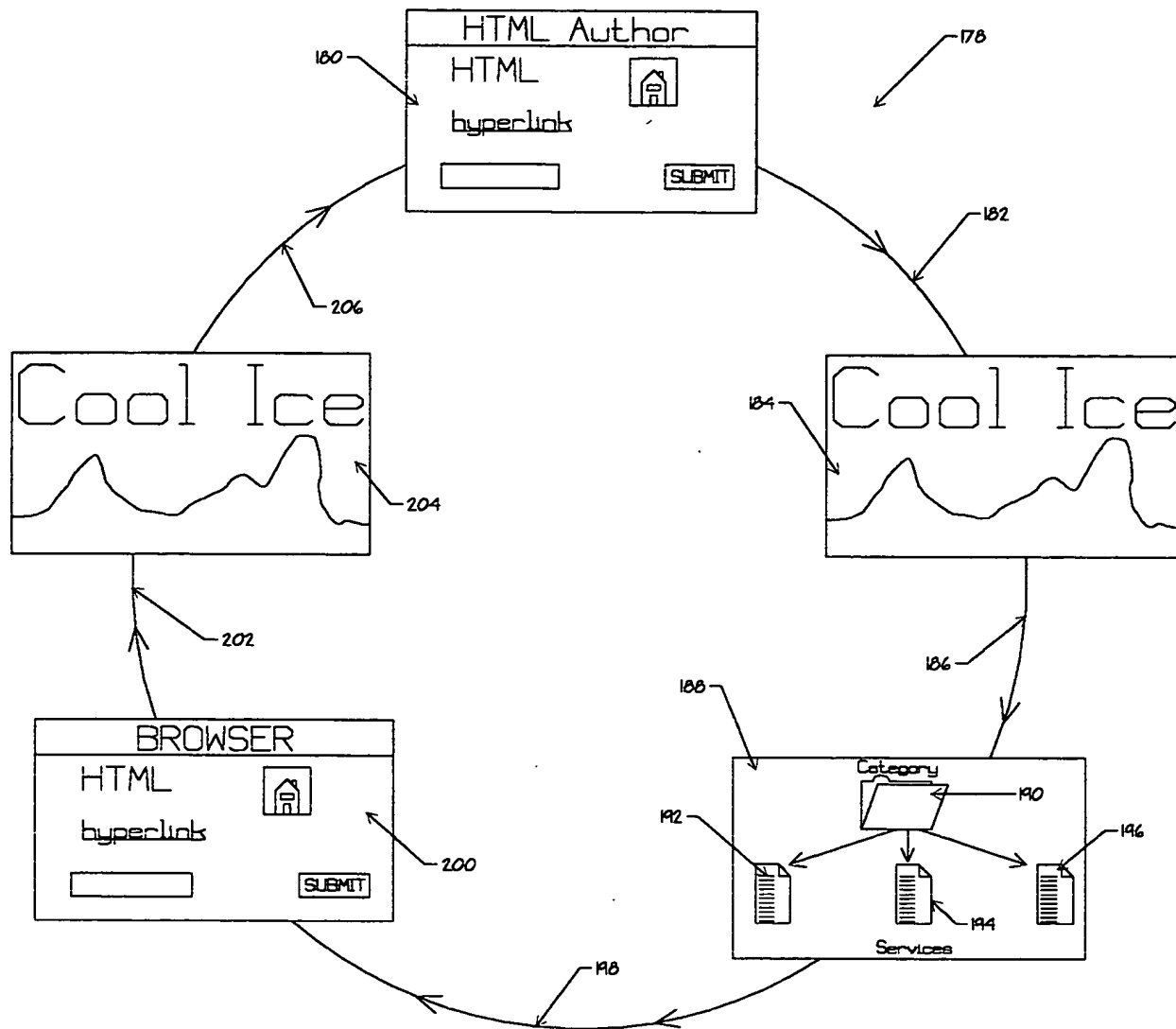


FIG. 7

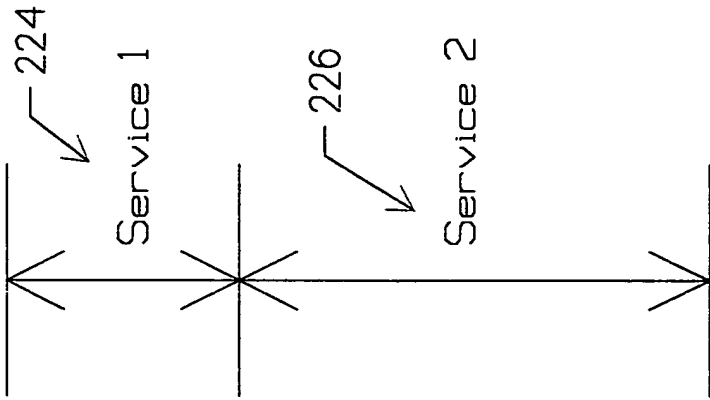
210

Dialog-based Structure

Output Screen
Suspend
Validate Input
Process
Output

Service-based Structure

Output Form
Terminate
Validate Input
Process
Output
Terminate



208

FIG. 8

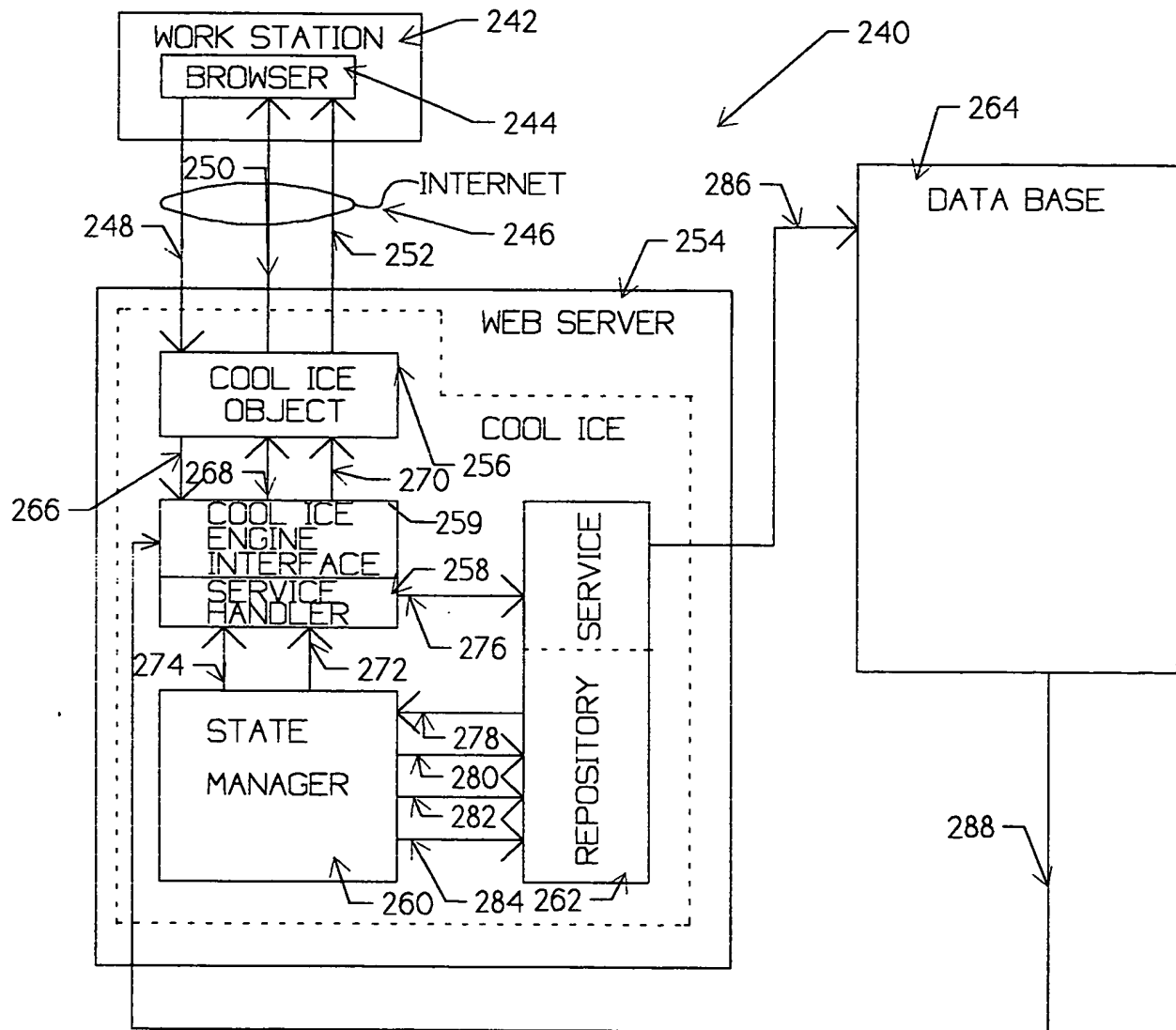


FIG. 9

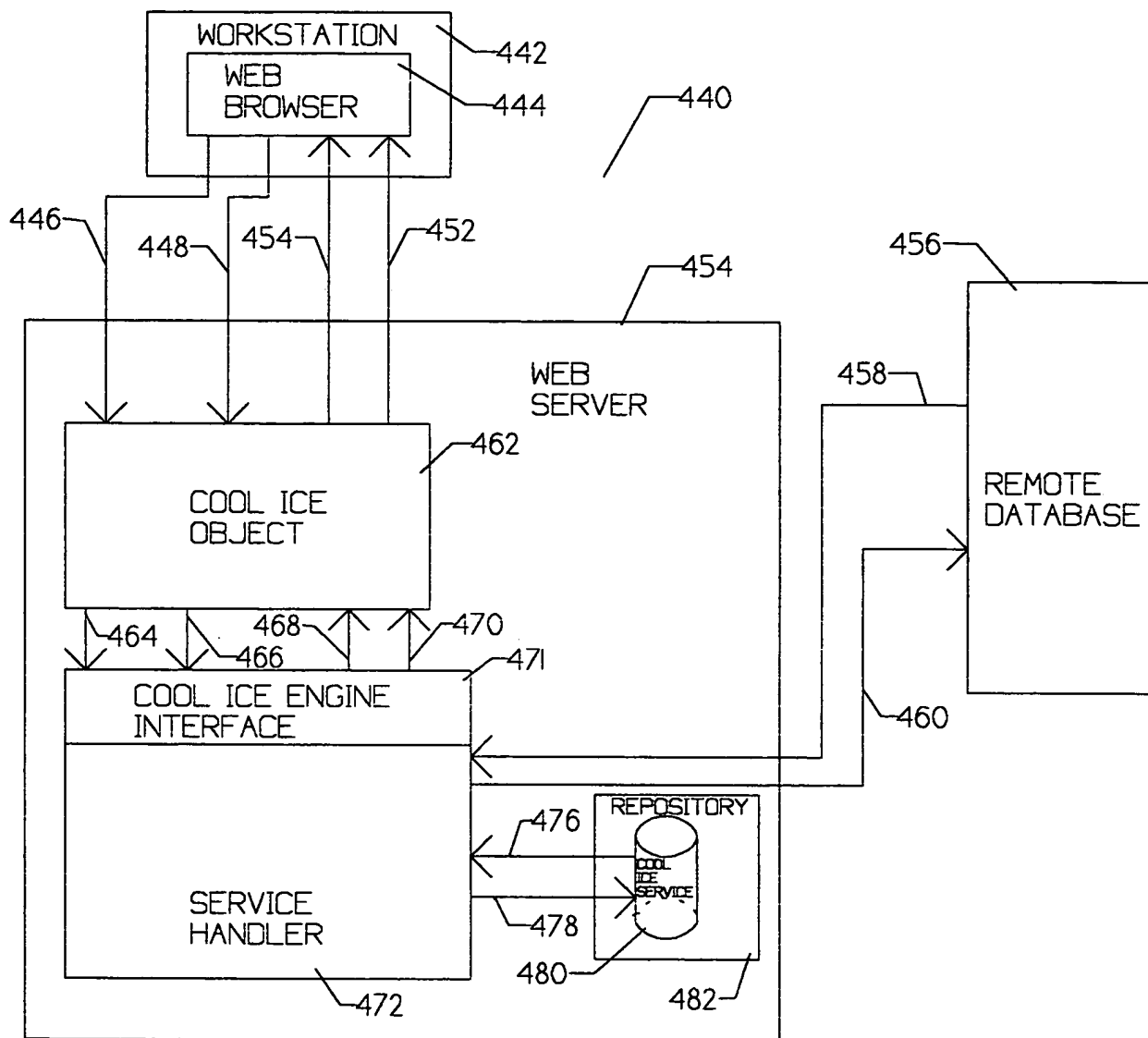
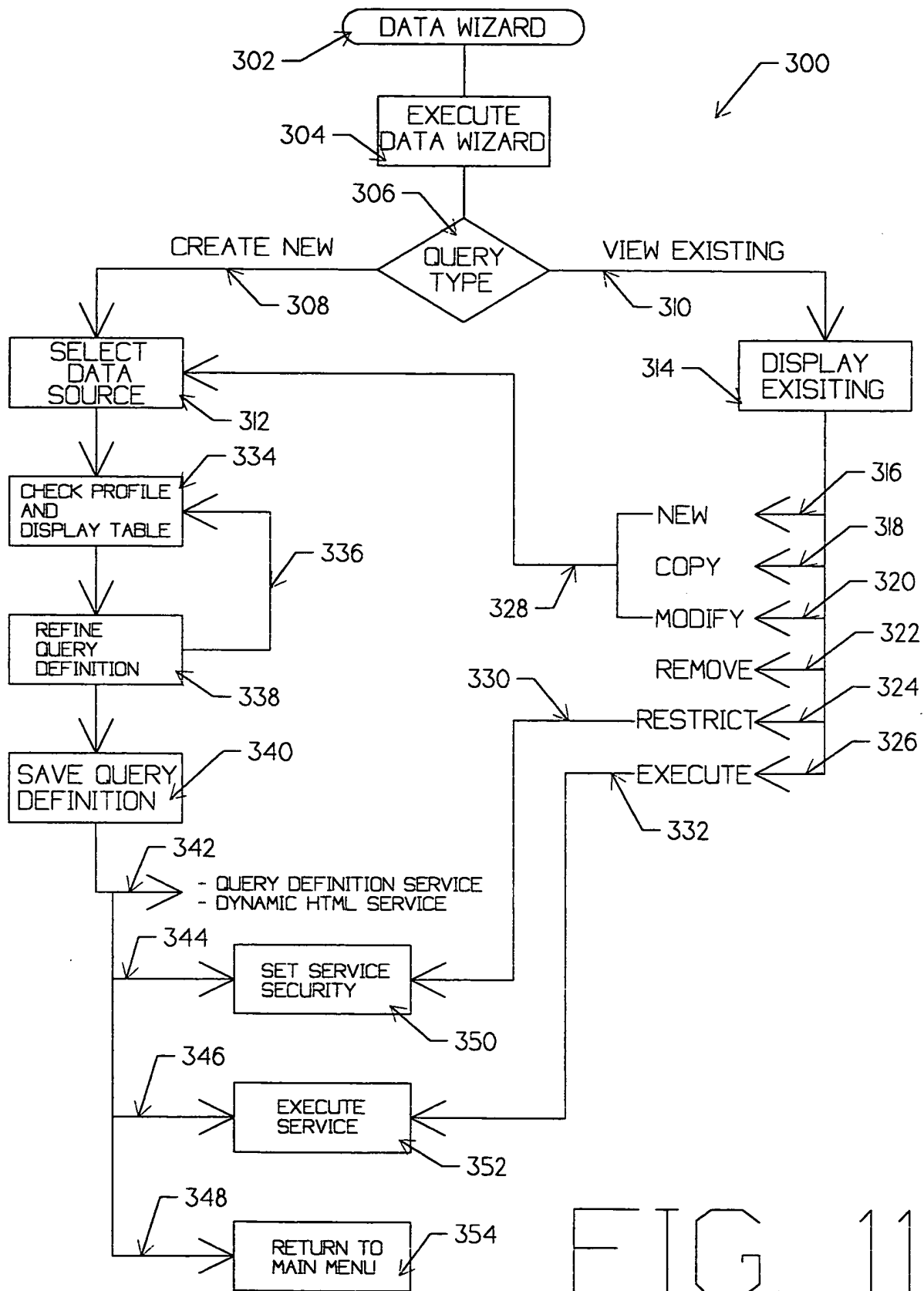


FIG. 10



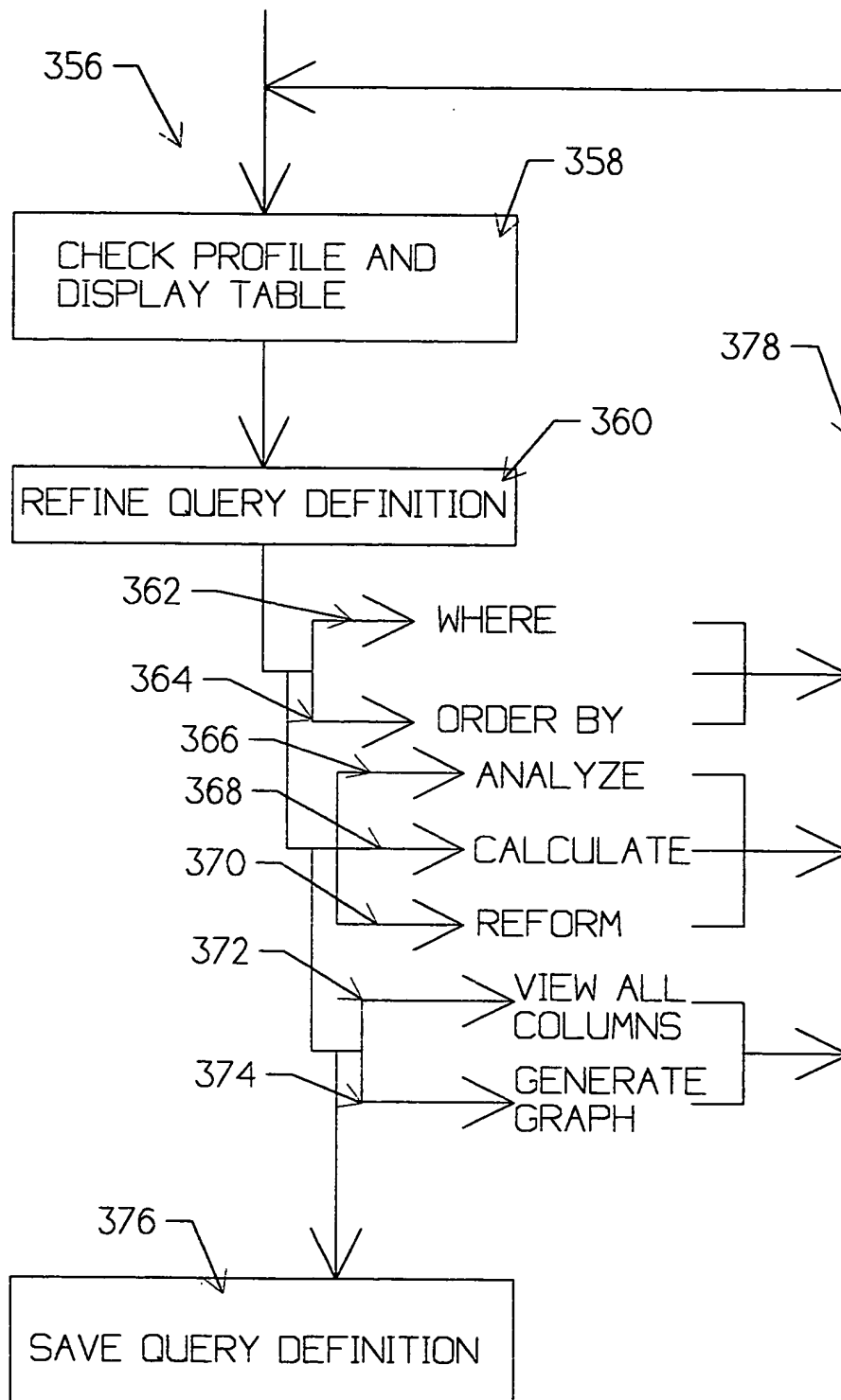


FIG. 12

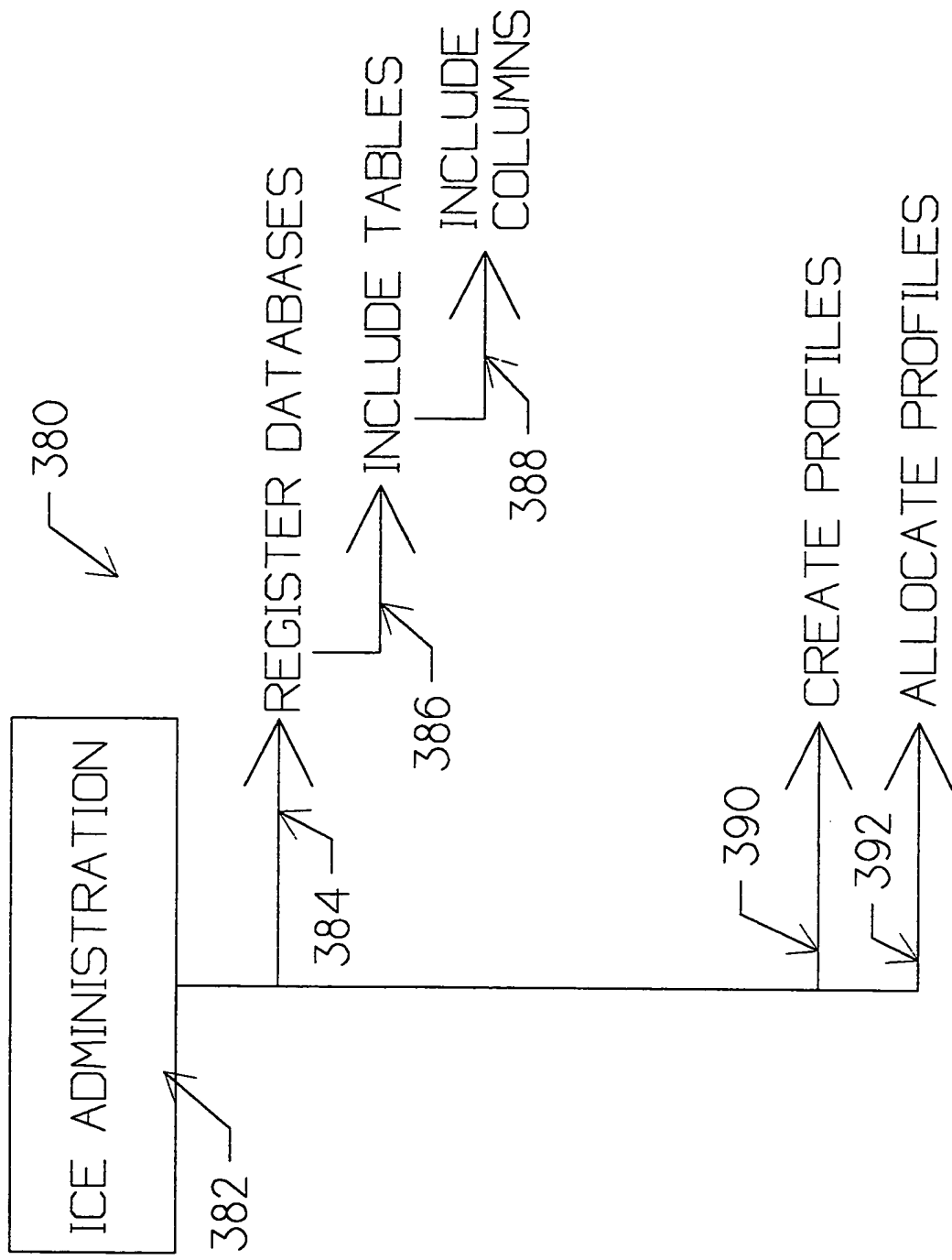


FIG. 13

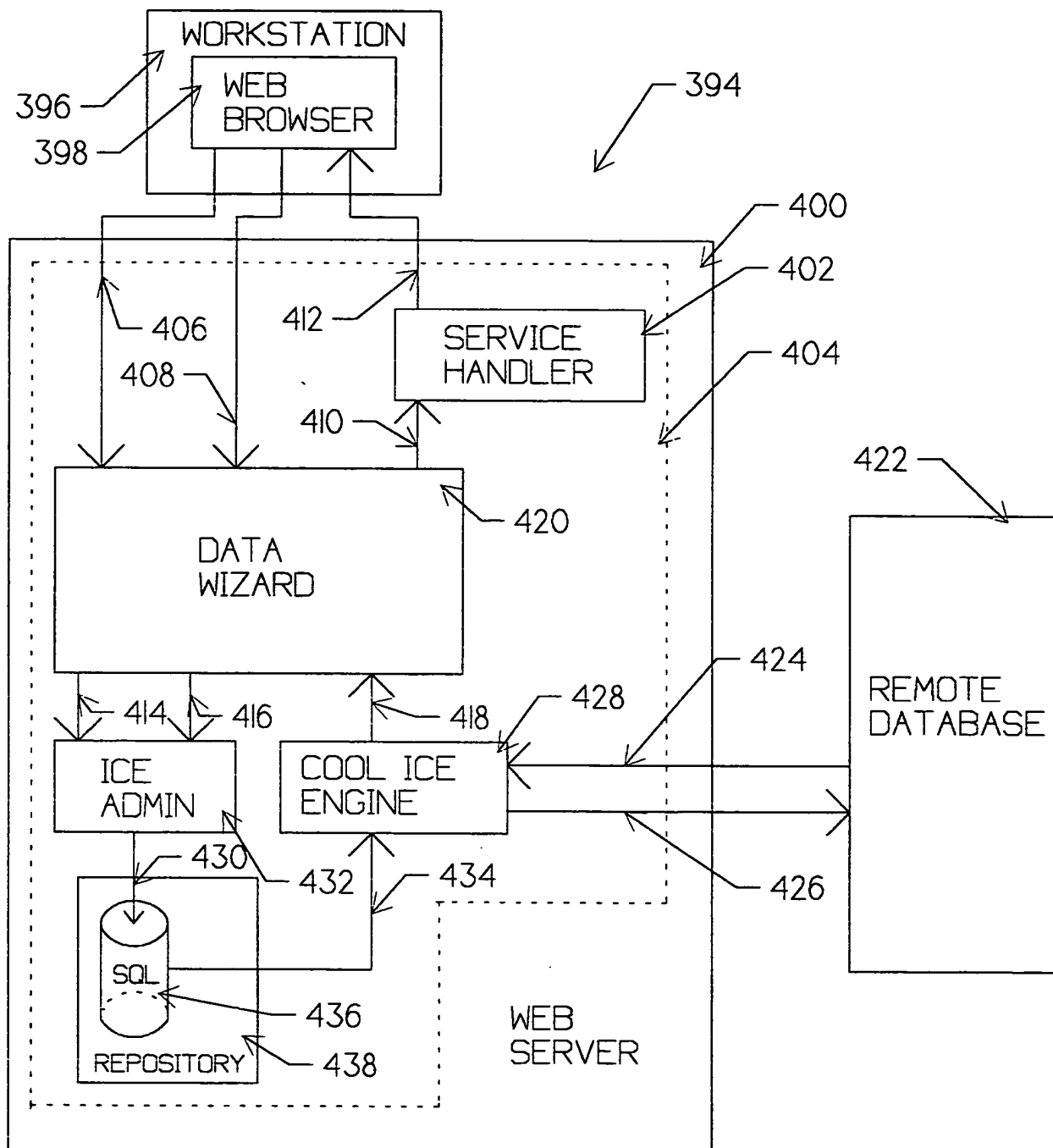


FIG. 14

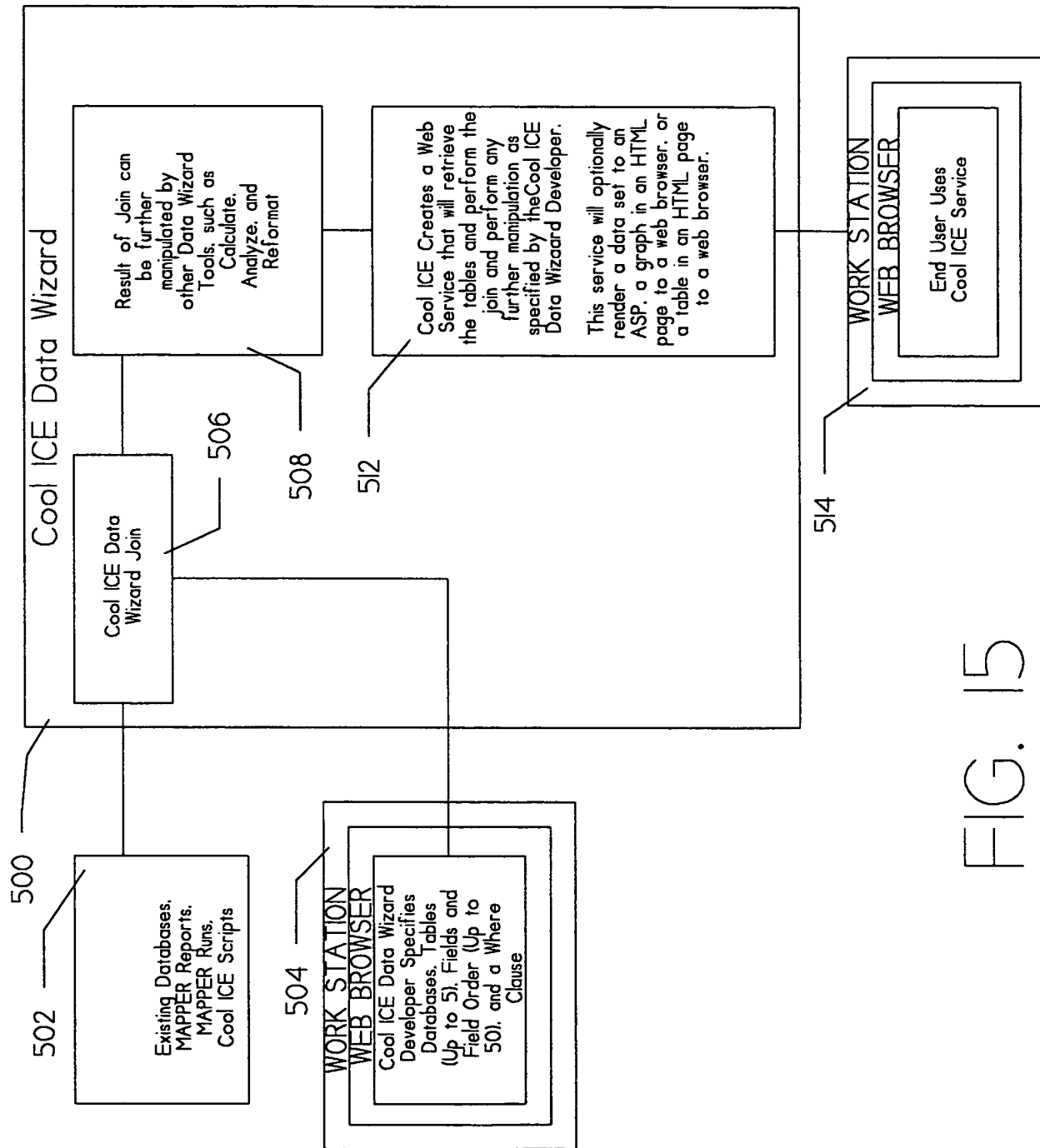
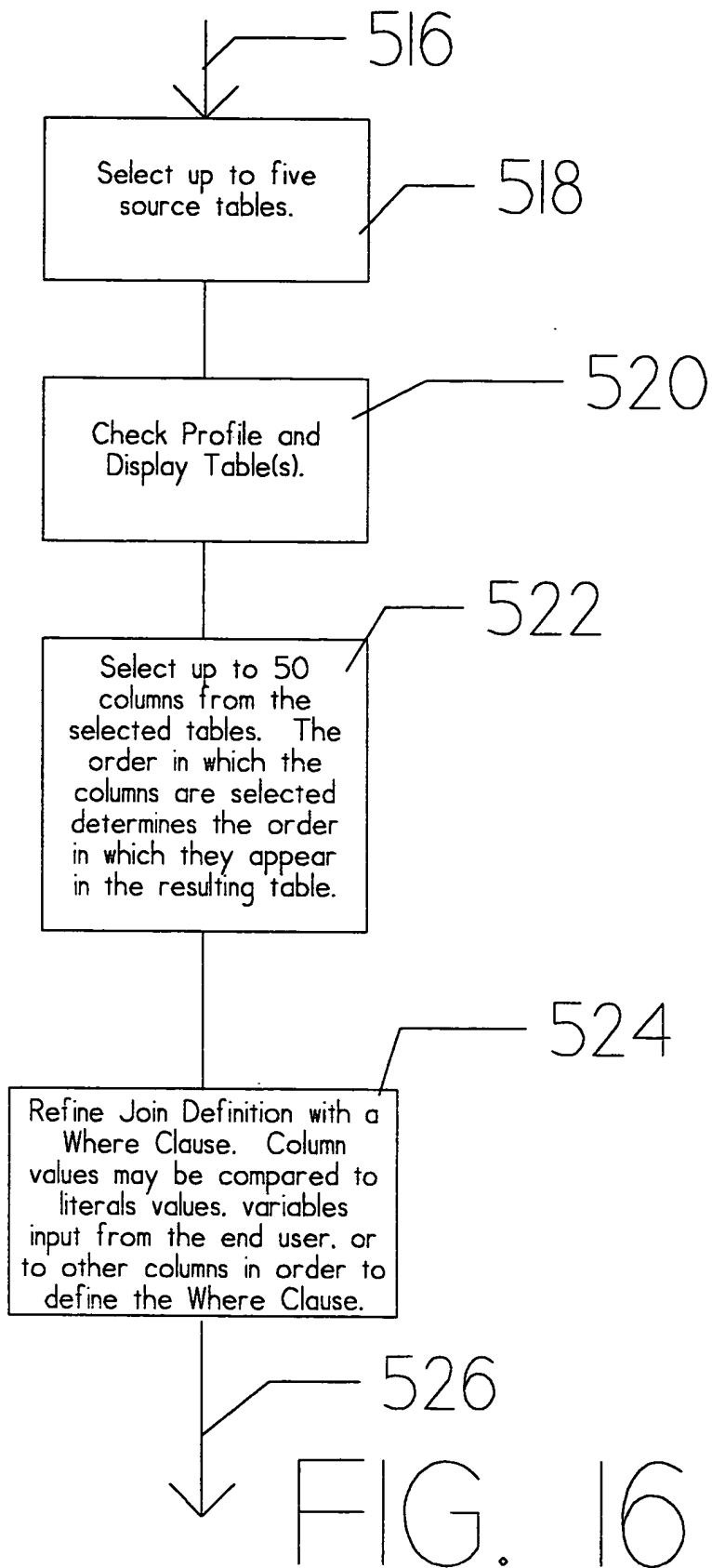


FIG. 15



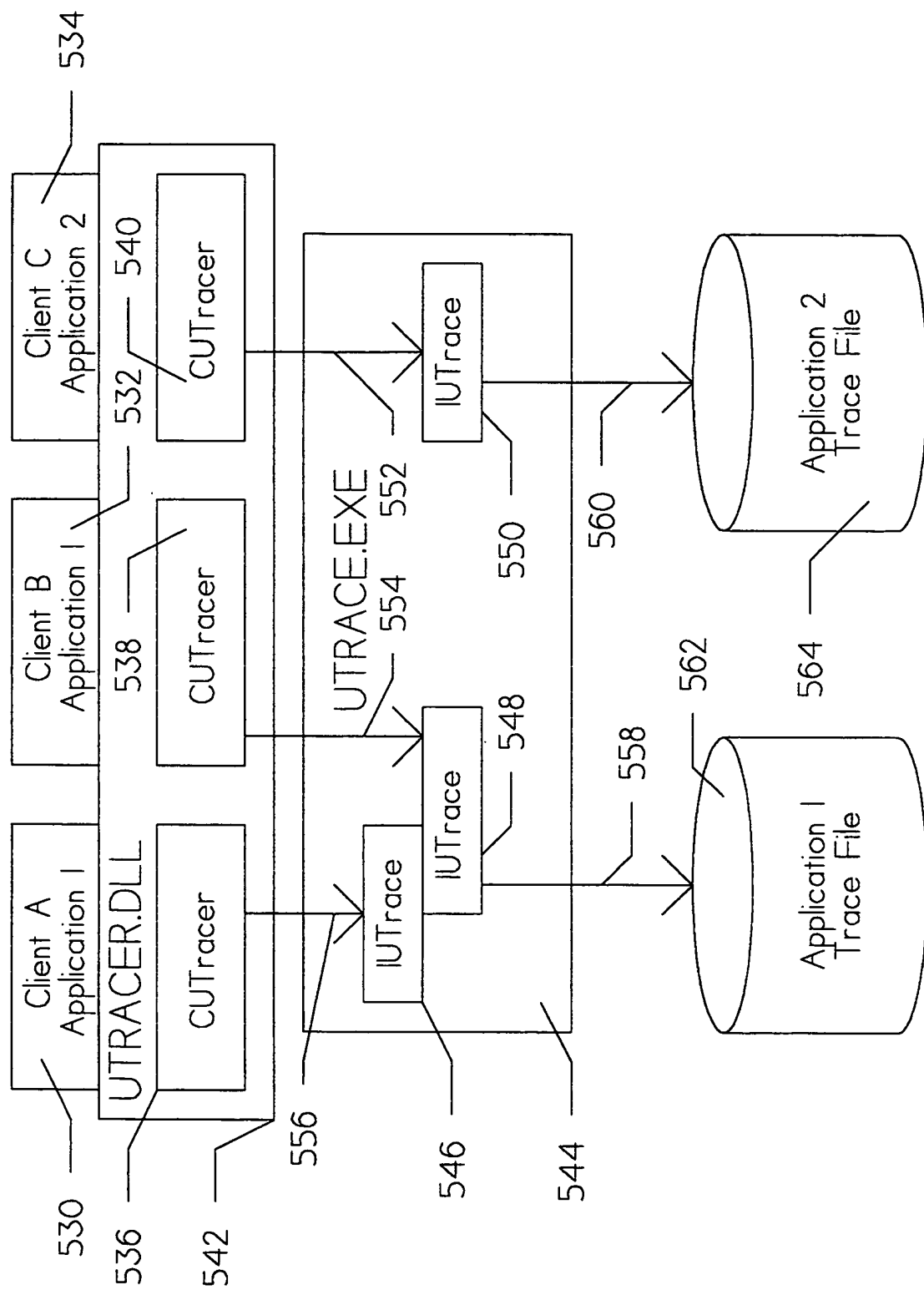


FIG. 17

HKLM\SOFTWARE\UNISYS\UTRACE

APPNAME -- Subkey matching the name of the application

555

ENABLETRACE	-- DWORD value indication a Boolean (1=trace, 0=no trace).
MAXENTRIES	-- DWORD value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.
FORMATFLAGS	-- DWORD value indicating message formatting flags.
POLICYFLAGS	-- DWORD value indicating trace policy flags set for the application.
TRACELEVEL	-- DWORD value indicating a trace level. 0 = no trace.
TRACEPATH	-- String value indicating the directory path for the trace files.
REGTRACE	-- A string value containing the HKLM\Software sub key to trace for this application. Blank or missing for no registry trace.
COMPONENT	-- A subkey for a specific component of the application.
	POLICYFLAGS -- Value indicating component level trace policy flags
	TRACELEVEL -- DWORD Value indicating a trace level. 0 = no trace.
	VERSIONTRACE-- String value specifying executable component name for version information tracing.

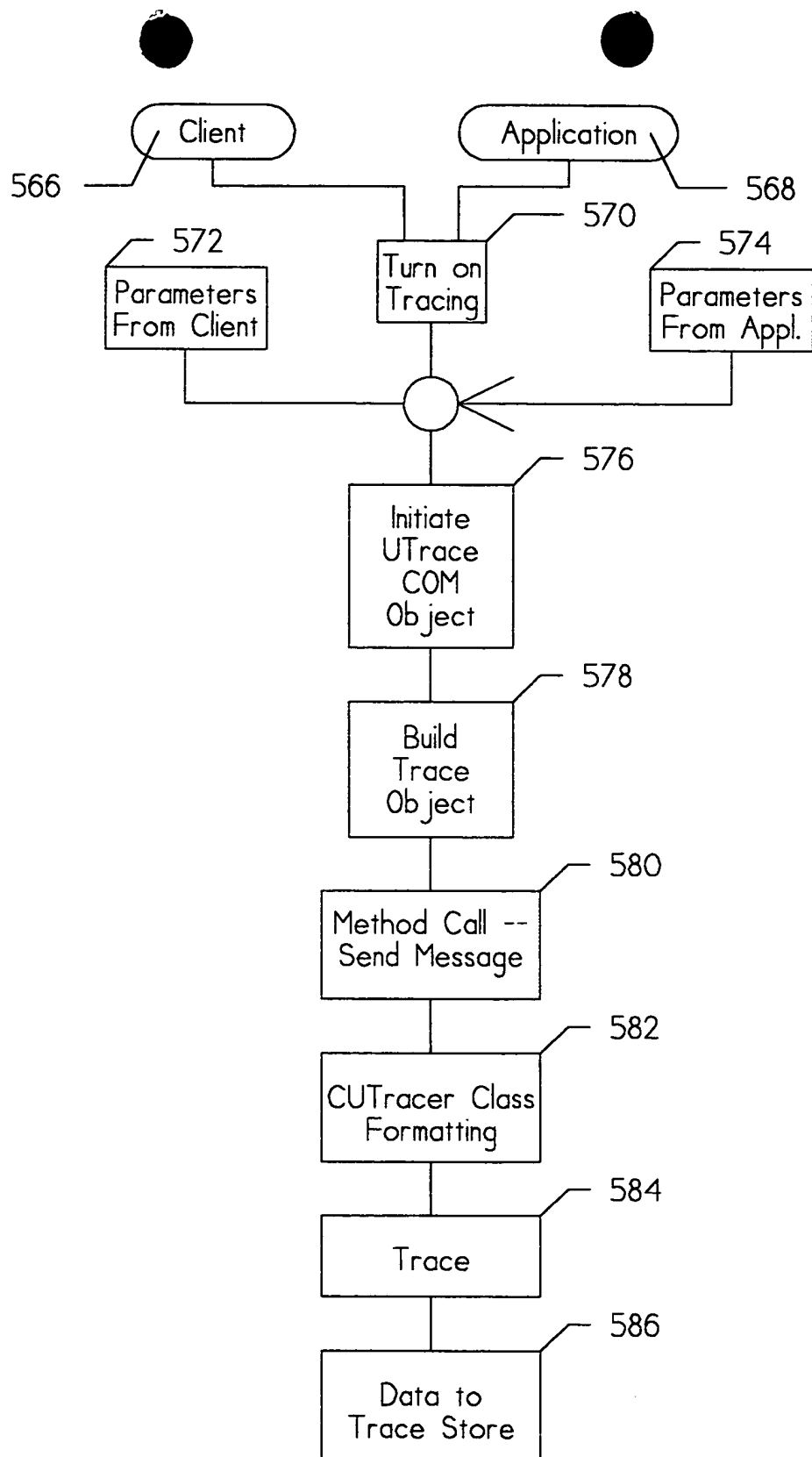


FIG. 19

#define CI_TRACE_VERSION	0x1
#define CI_TRACE_ERROR	0x2
#define CI_TRACE_INTERFACE	0x4
#define CI_TRACE_FLOW	0x8
#define CI_TRACE_DETAIL	0x10

FIG. 20A

```
if (m_trace.Active(CI_TRACE_DETAIL))  
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

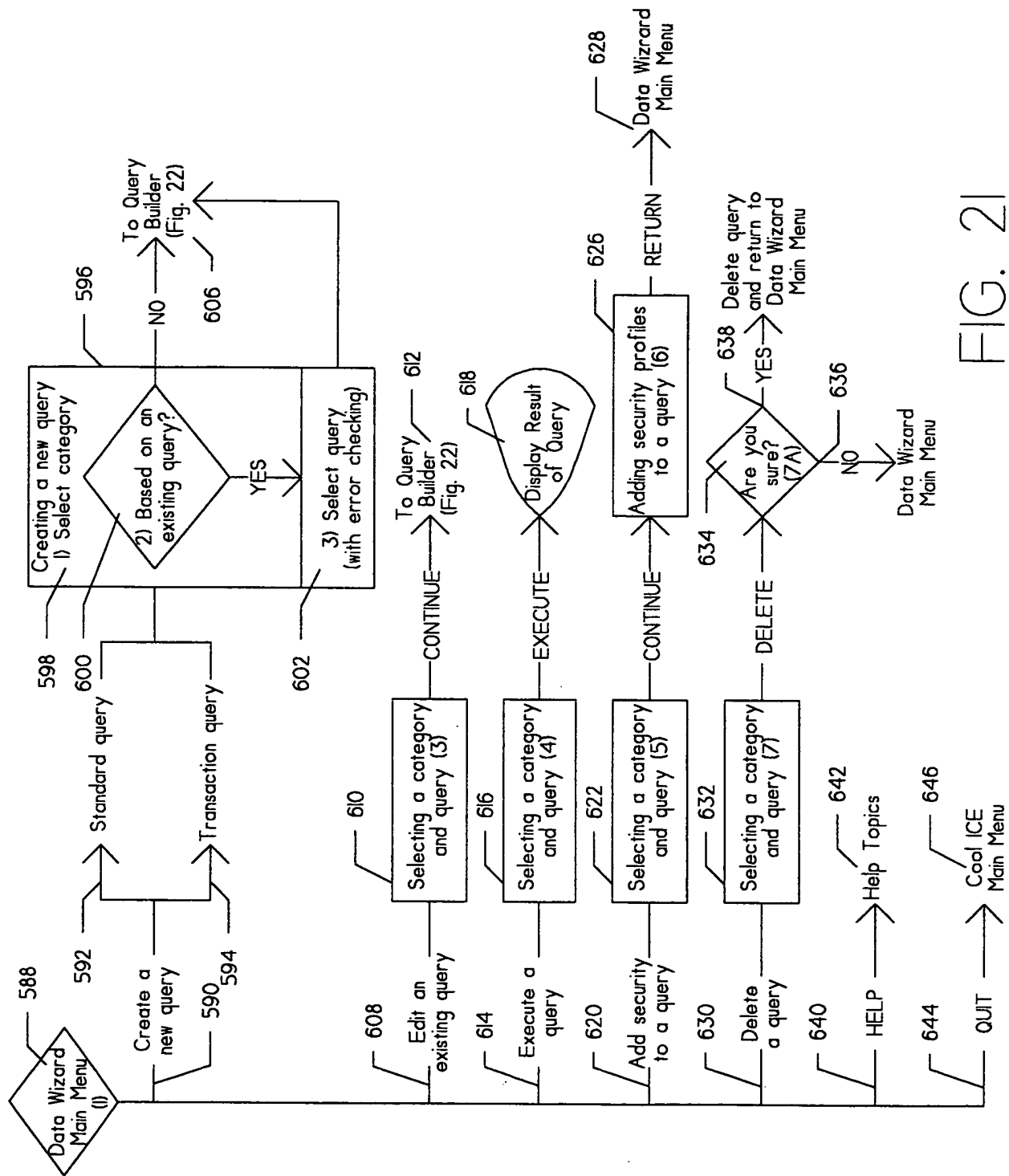


FIG. 21

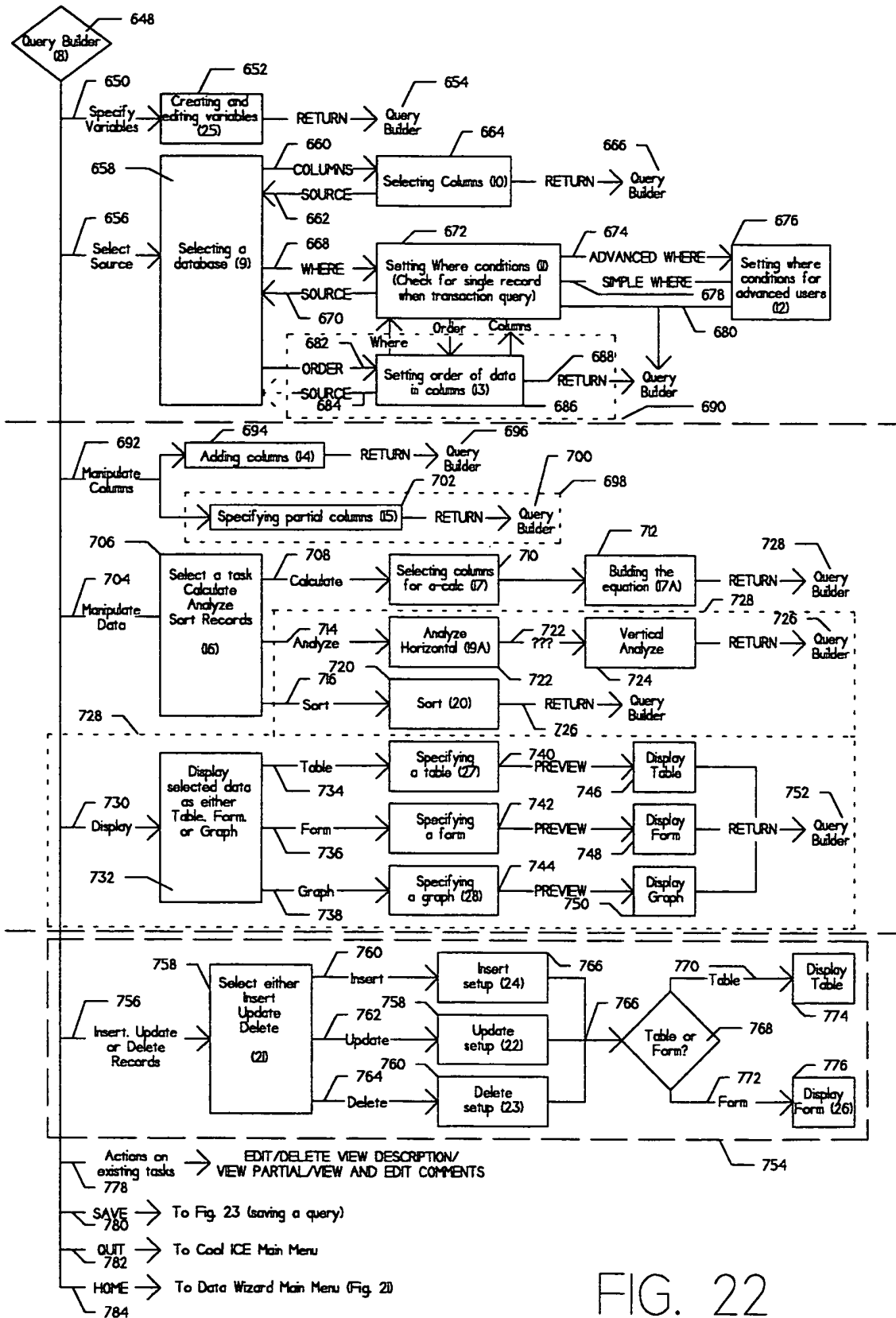


FIG. 22

FIG. 22A is a flowchart illustrating a query building process. The process begins with a decision diamond 648 labeled "Query Builder (8)". From 648, the flow proceeds to a process box 650 labeled "Specify Variables". From 650, the flow proceeds to a process box 652 labeled "Creating and editing variables (25)". From 652, the flow proceeds to a process box 654 labeled "Query Builder". From 654, the flow proceeds to a process box 660 labeled "RETURN". From 660, the flow proceeds to a process box 664 labeled "Query Builder". From 664, the flow proceeds to a process box 666 labeled "RETURN". From 666, the flow proceeds to a process box 670 labeled "Query Builder". From 670, the flow proceeds to a process box 672 labeled "Setting Where conditions (II) (Check for single record when transaction query)". From 672, the flow proceeds to a process box 674 labeled "ADVANCED WHERE". From 674, the flow proceeds to a process box 676 labeled "Setting where conditions for advanced users (12)". From 676, the flow proceeds to a process box 680 labeled "Query Builder". From 680, the flow proceeds to a process box 682 labeled "ORDER". From 682, the flow proceeds to a process box 684 labeled "SOURCE". From 684, the flow proceeds to a process box 686 labeled "RETURN". From 686, the flow proceeds to a process box 690 labeled "Query Builder".

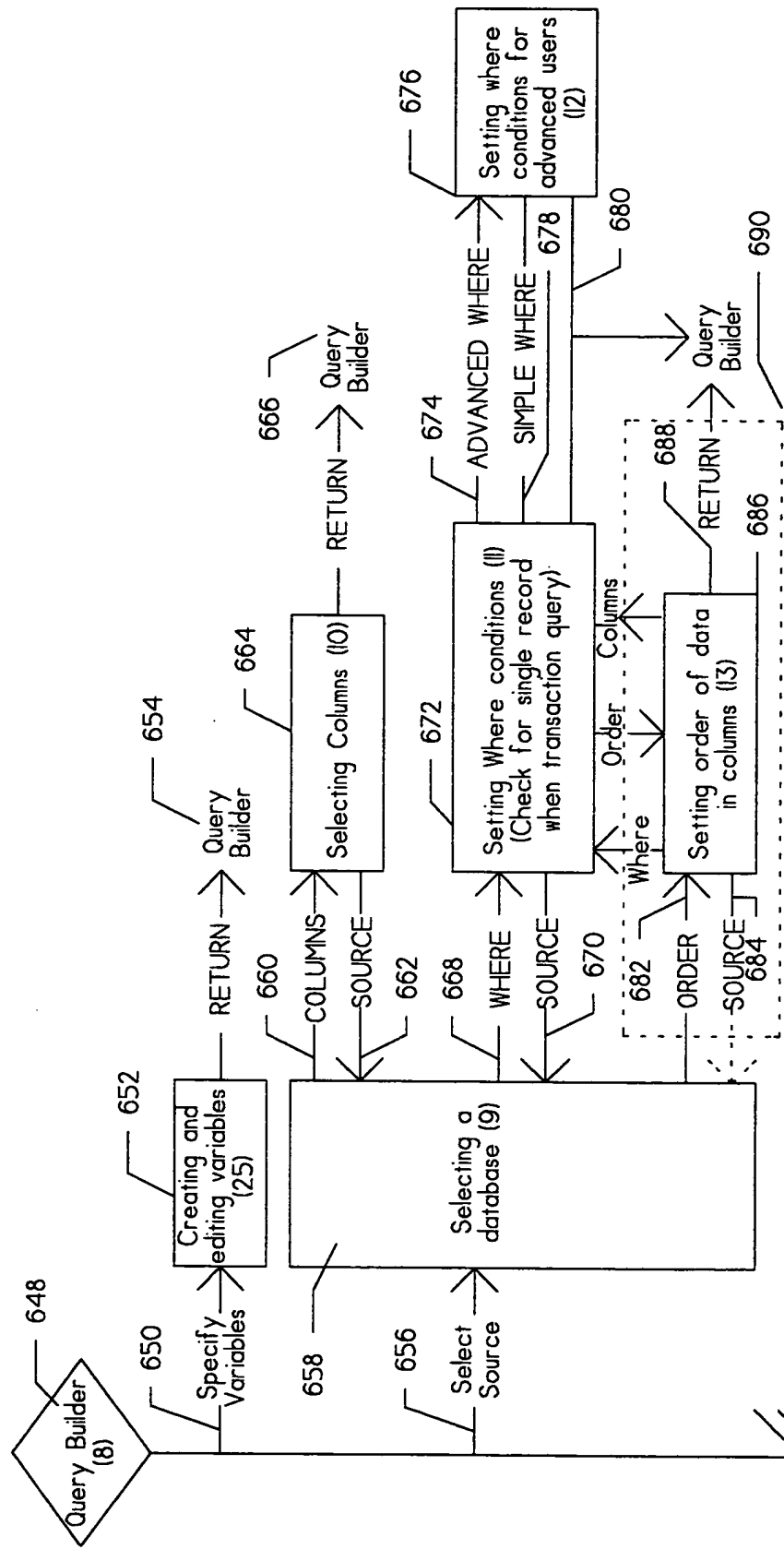


FIG. 22A

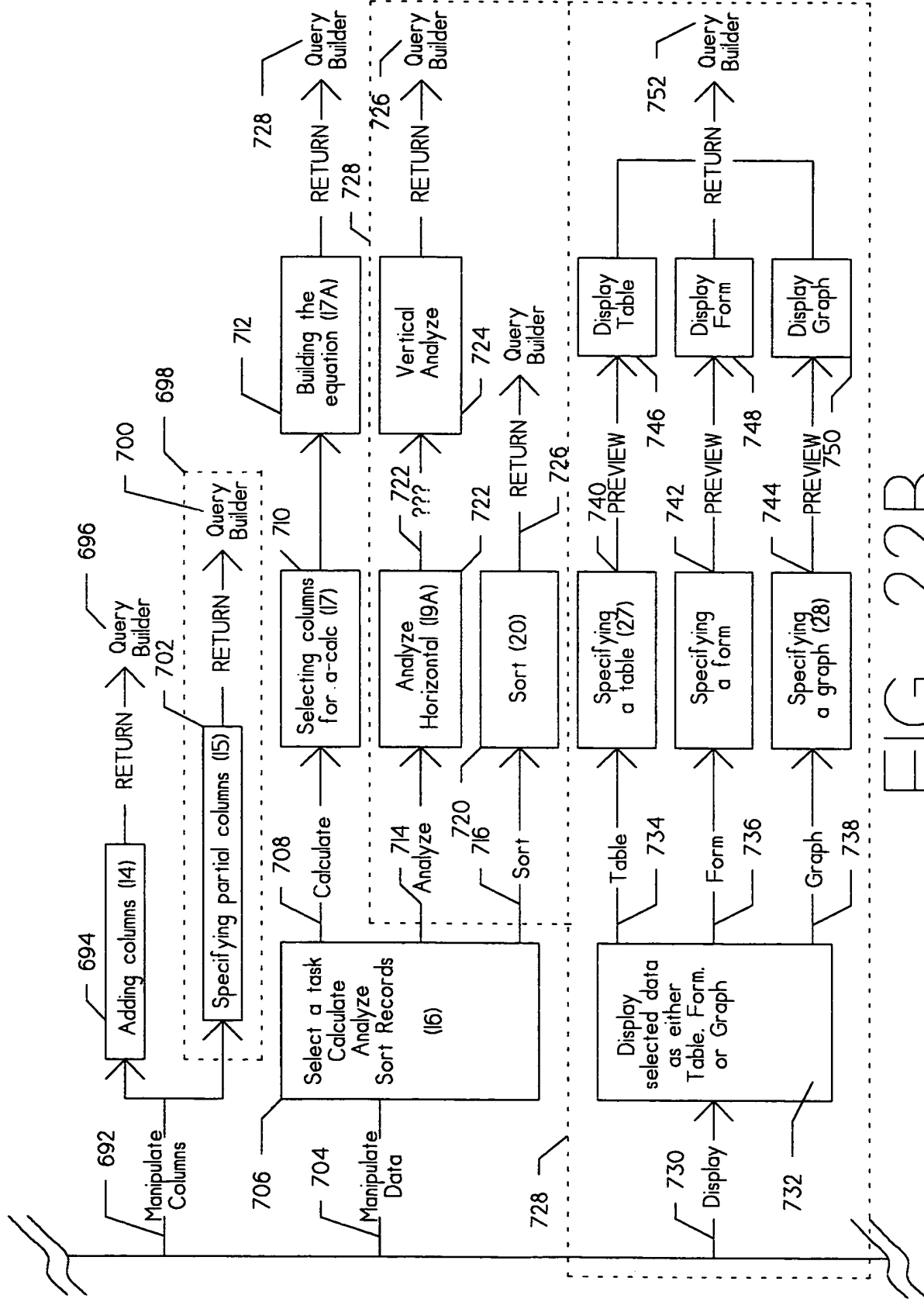
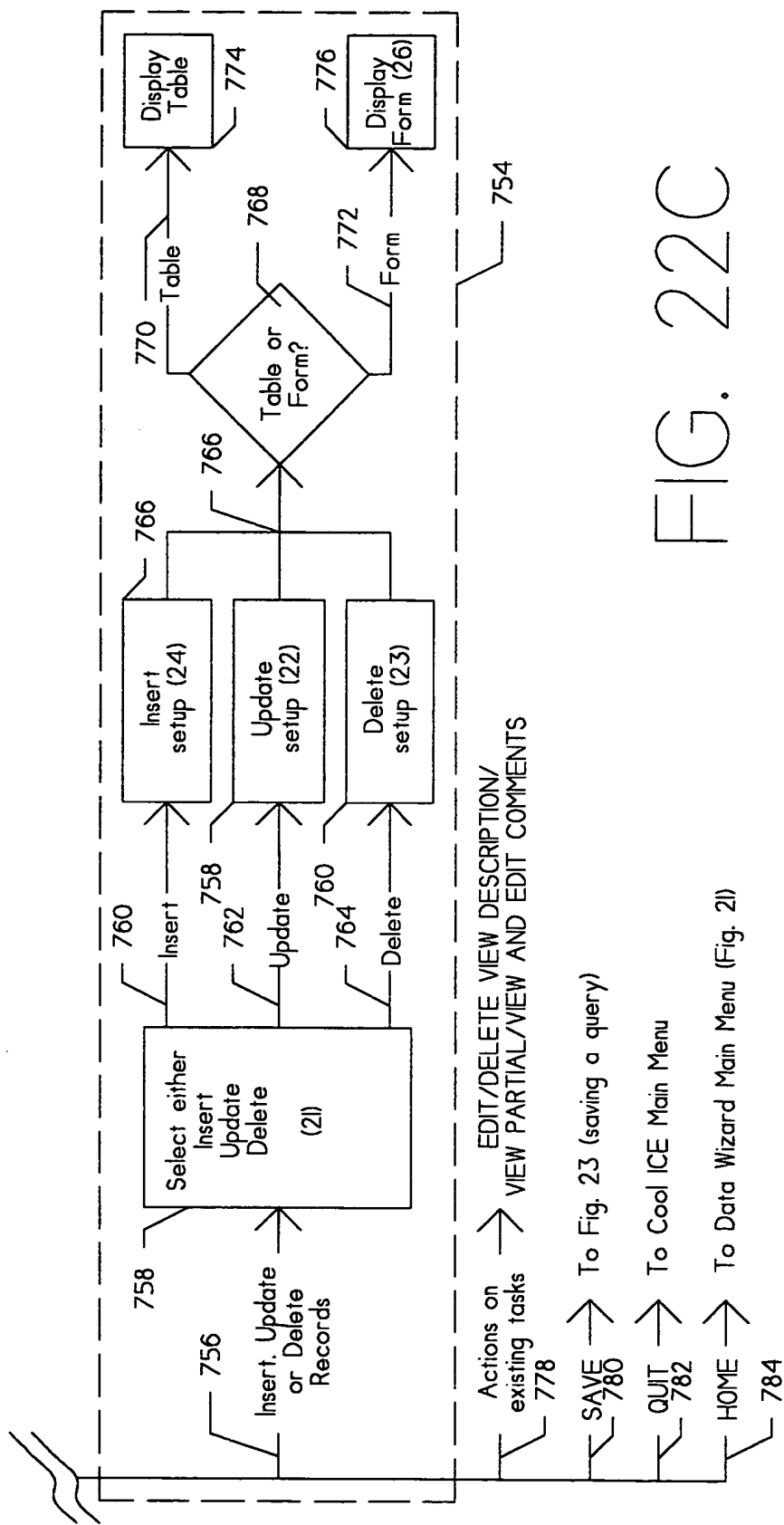


FIG. 22B

[illegible]

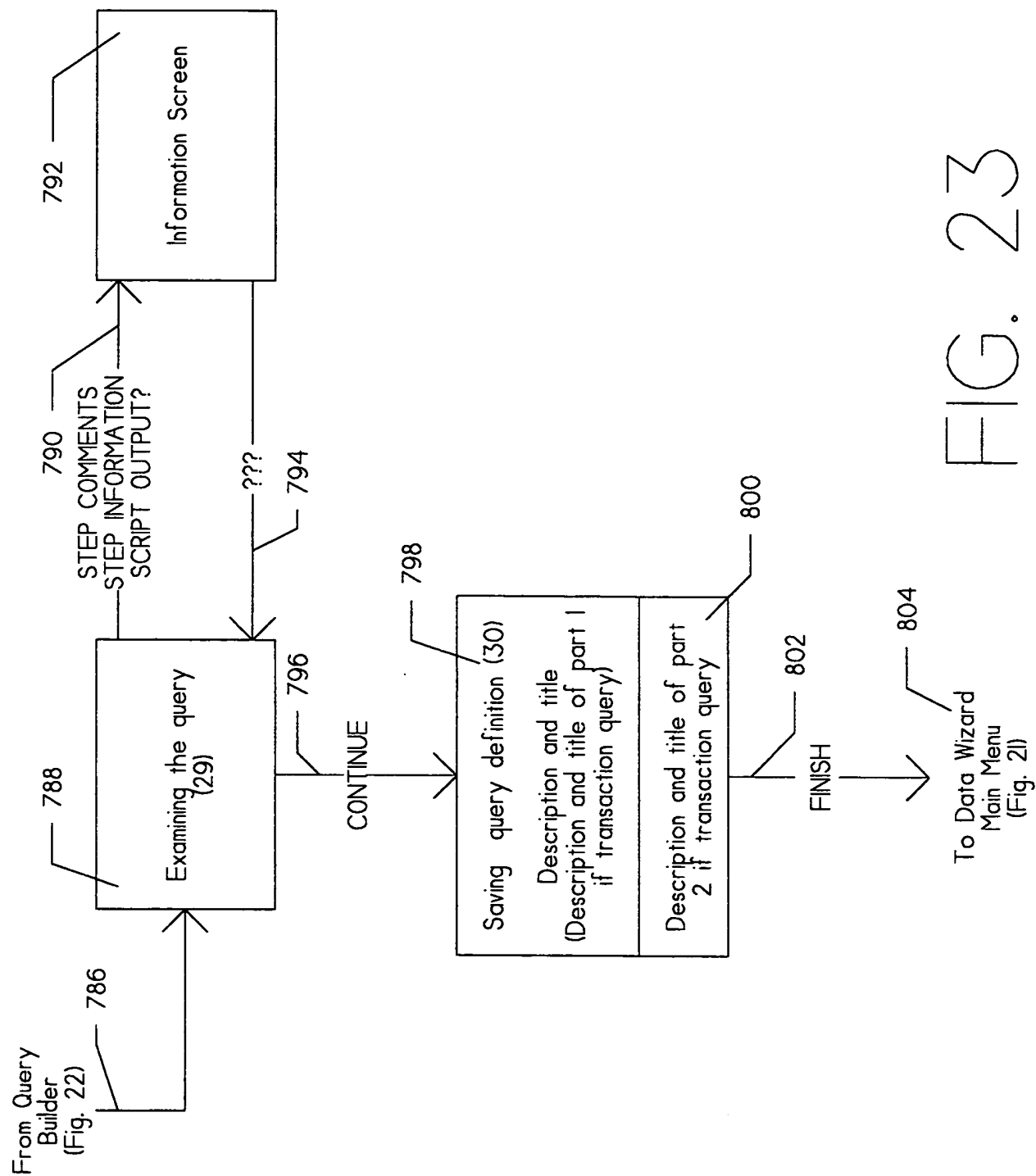


FIG. 23

Data Wizard Home Screen

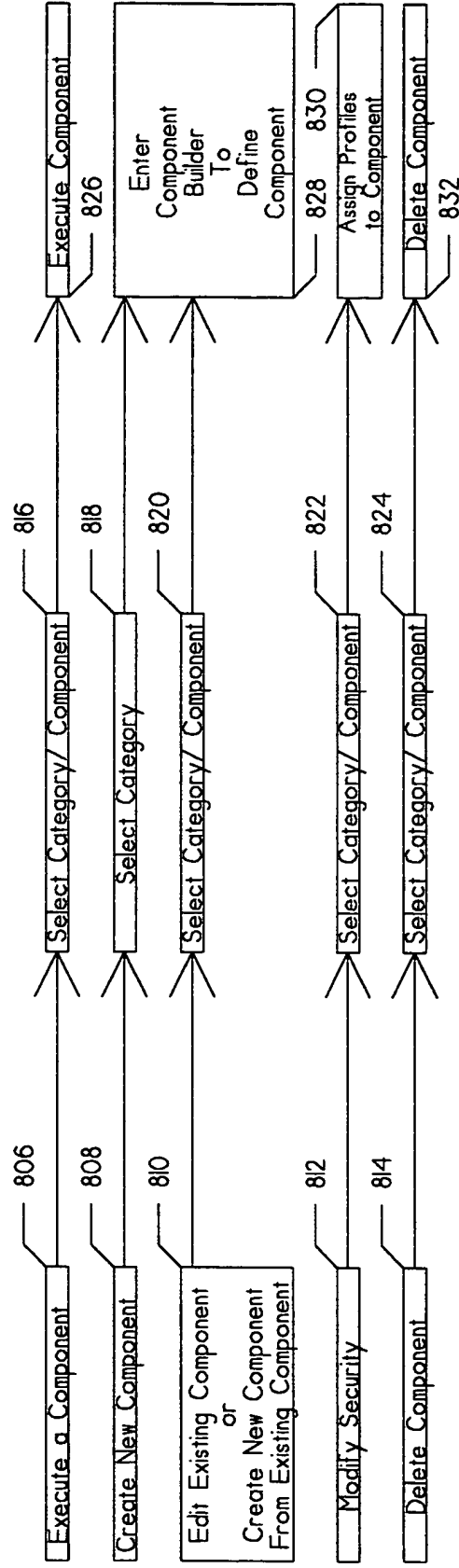


FIG. 24

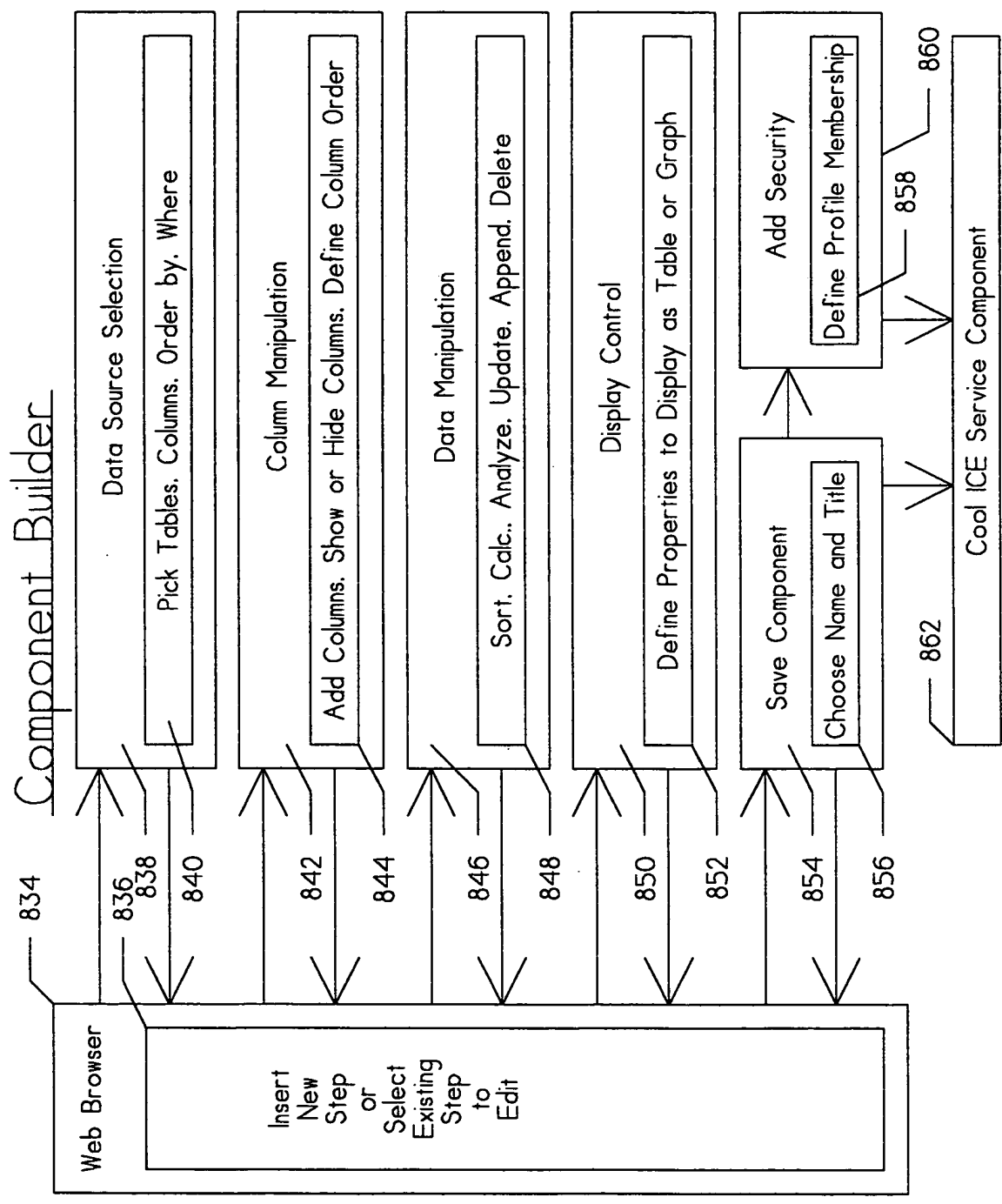


FIG. 25

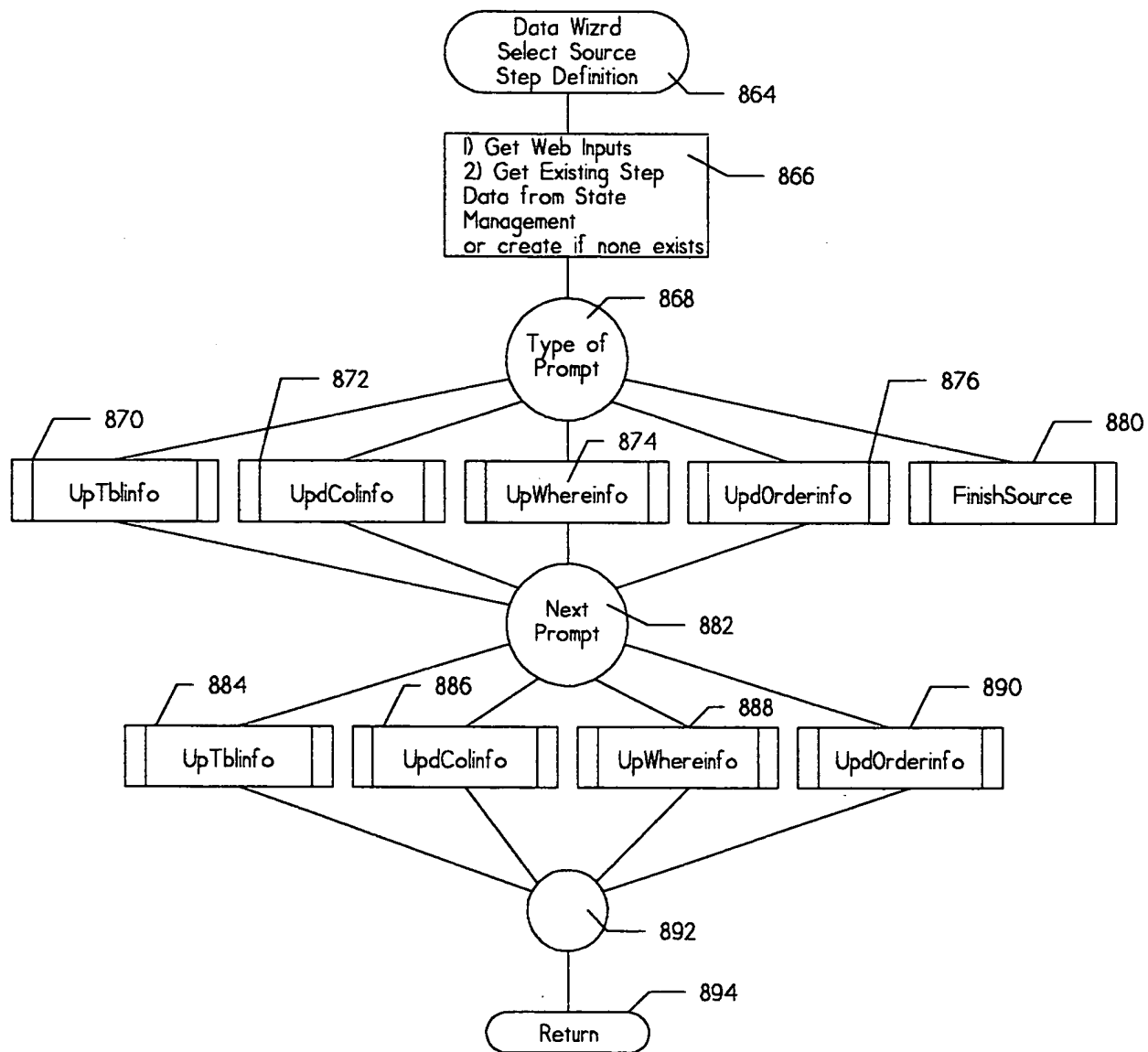


FIG. 26

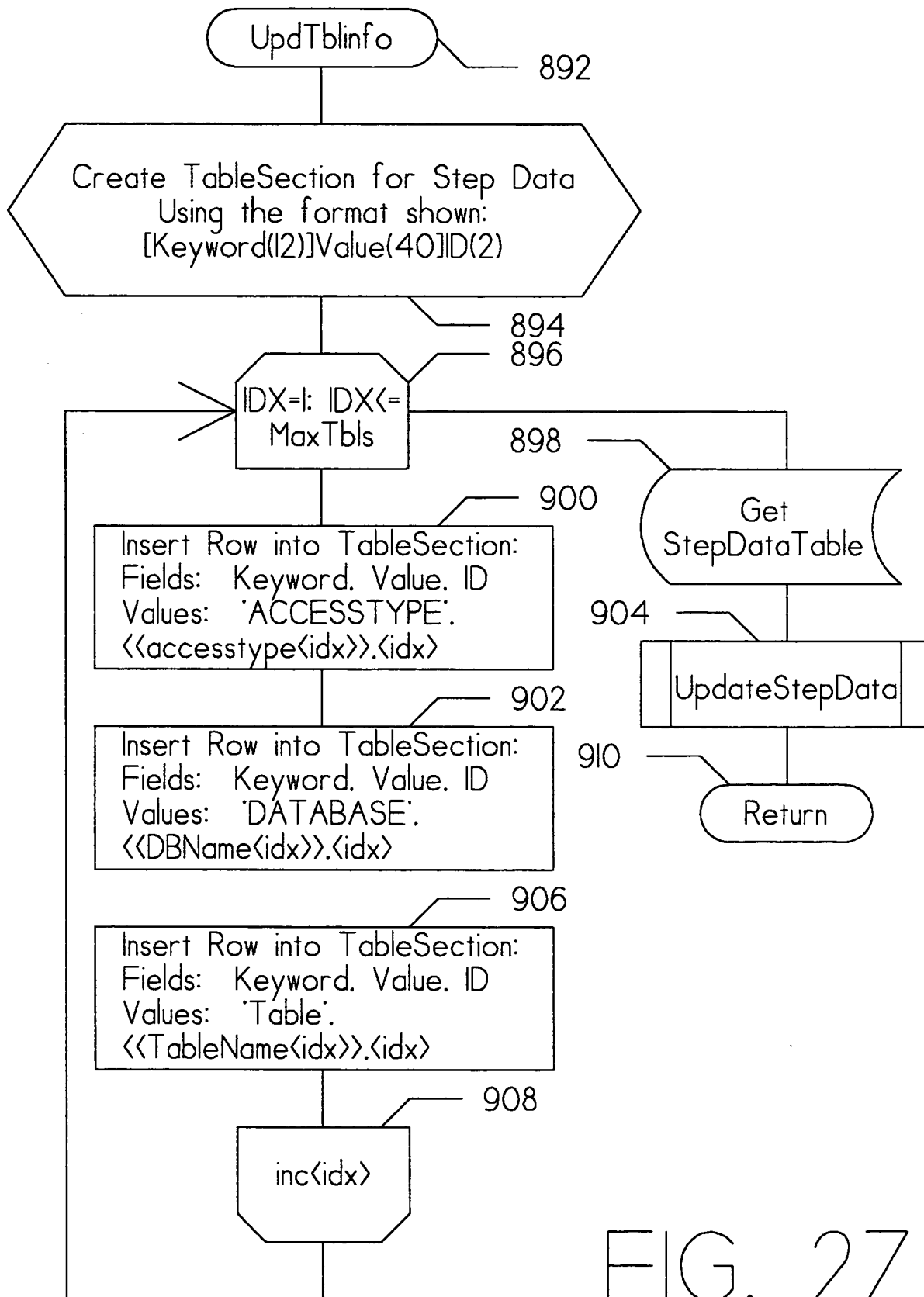


FIG. 27

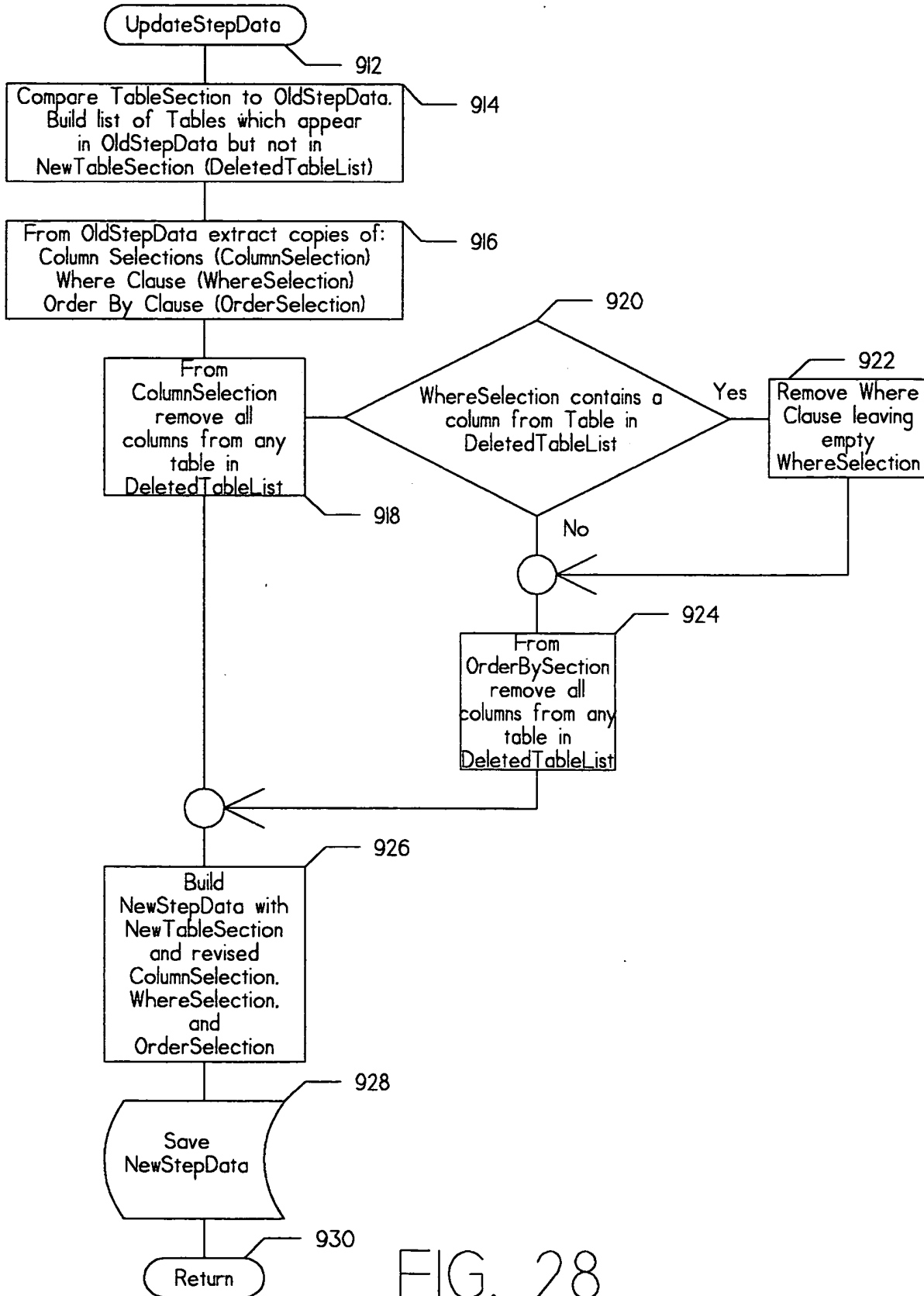


FIG. 28

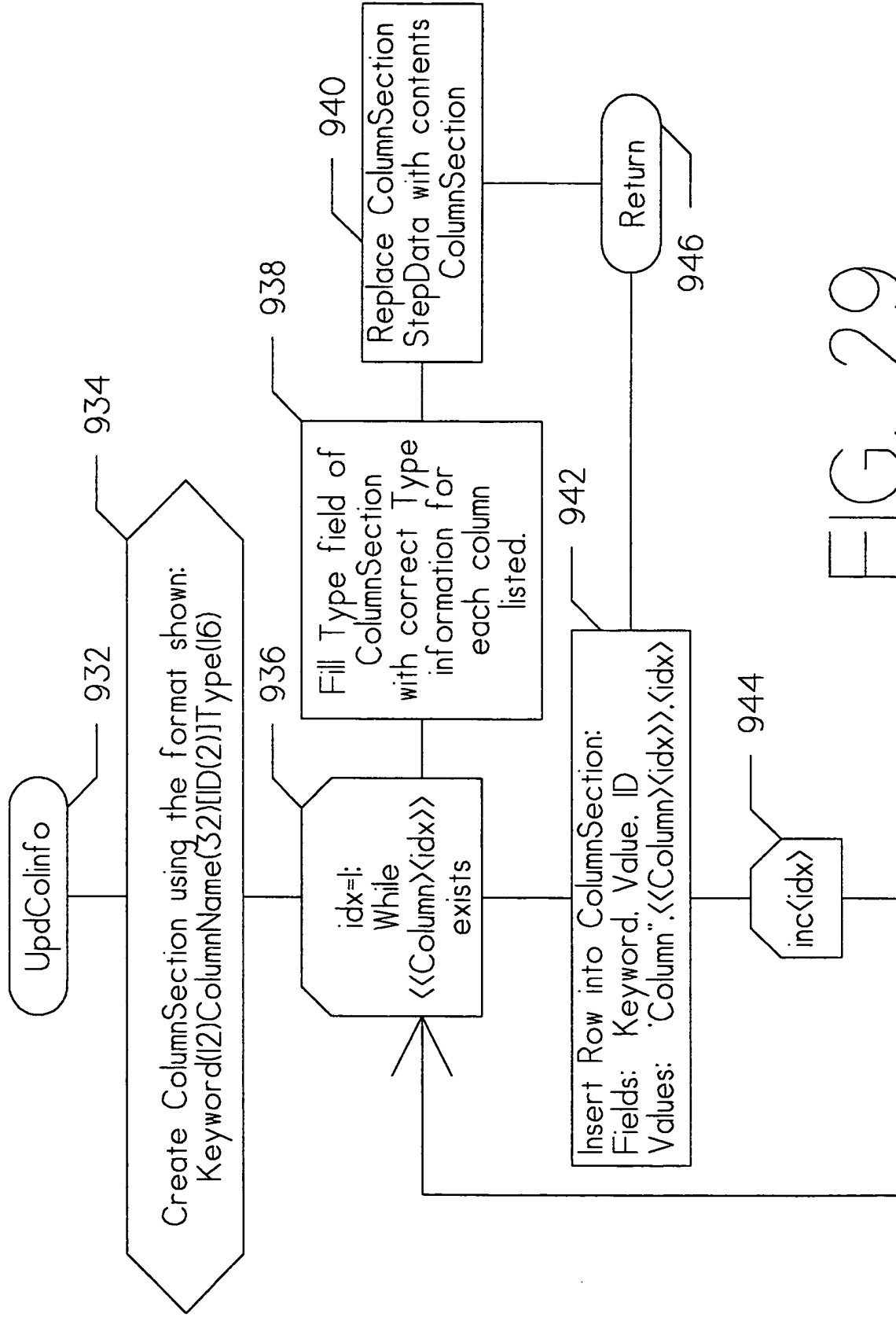


FIG. 29

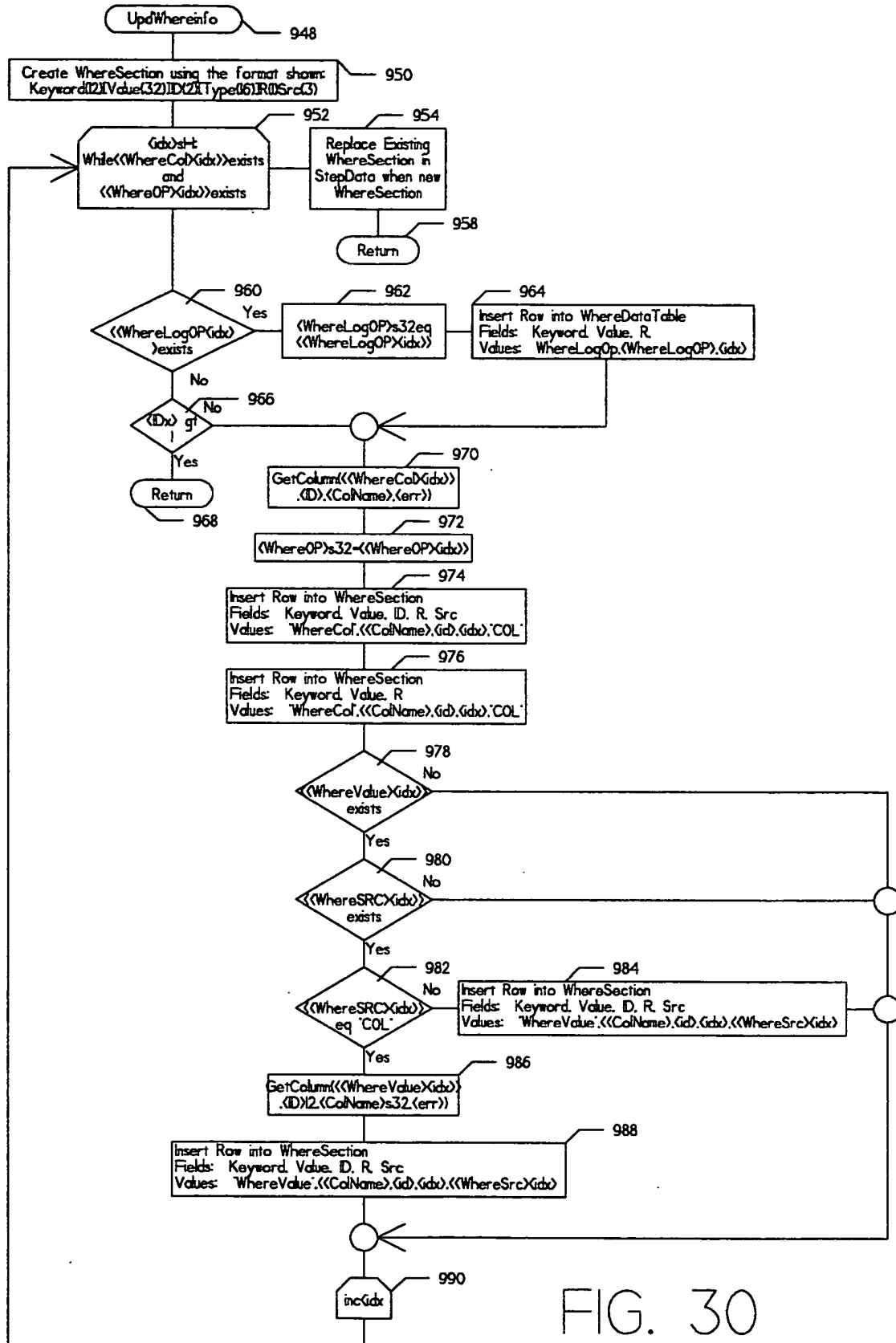


FIG. 30

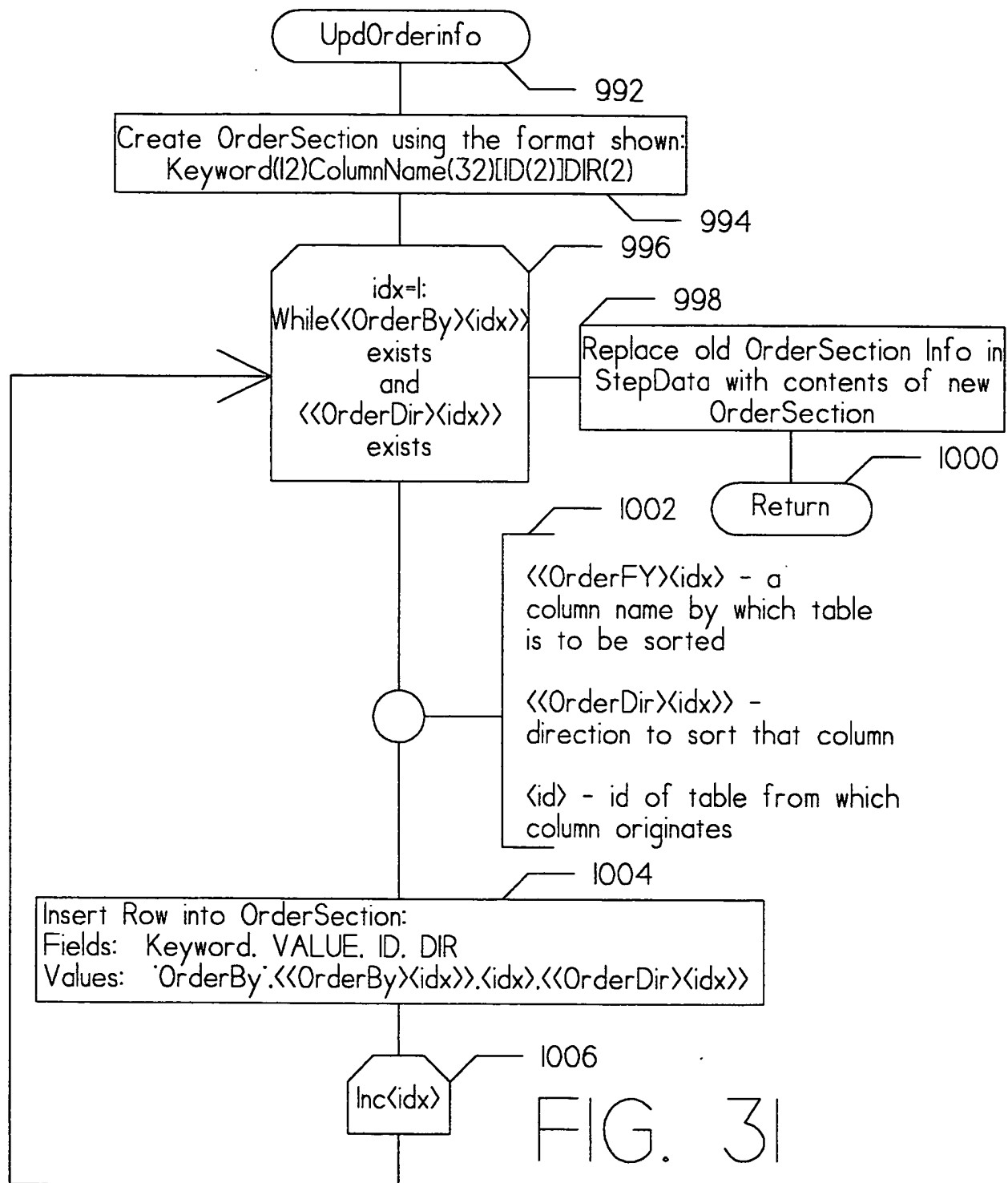


FIG. 31

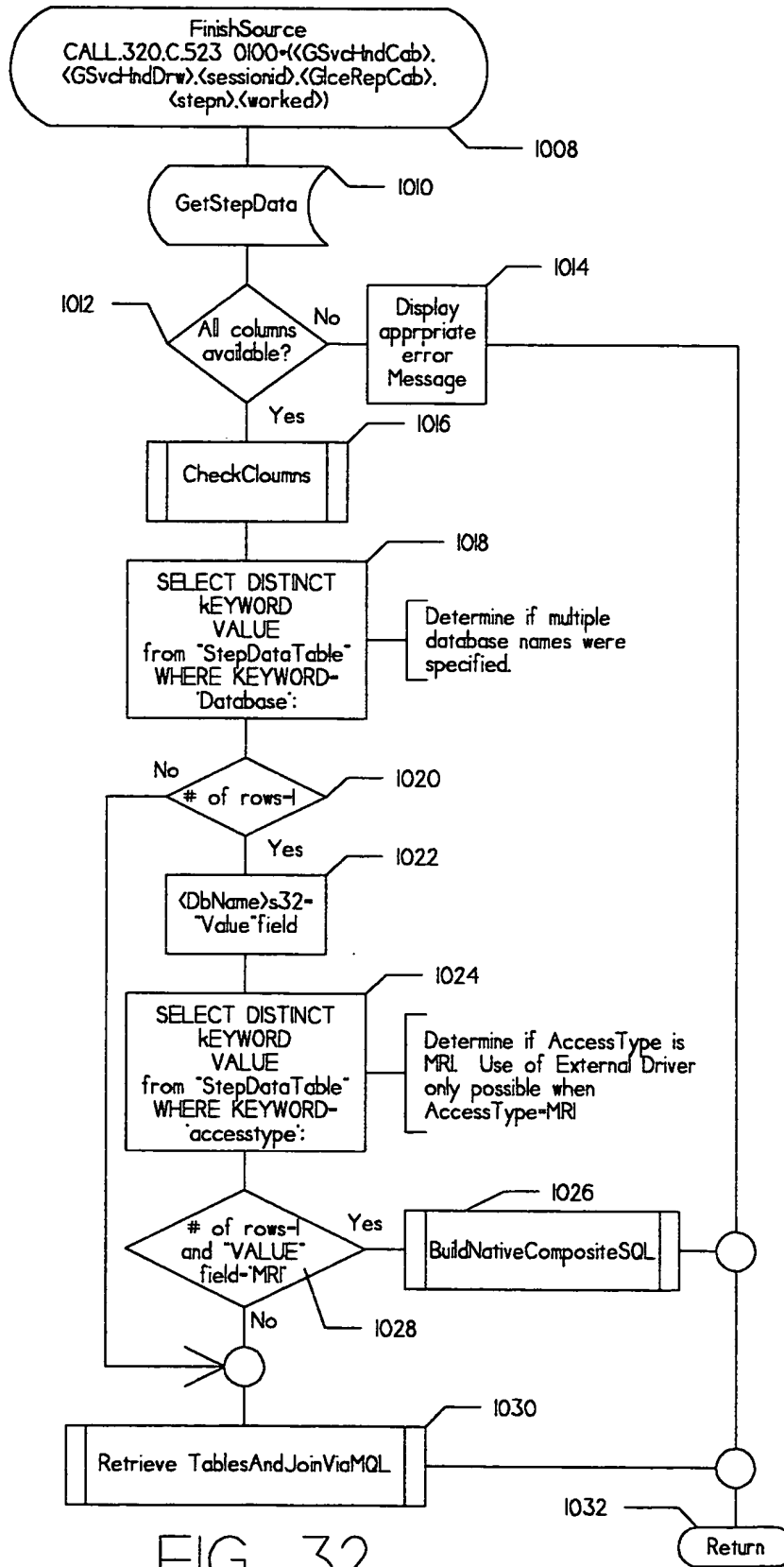


FIG. 32

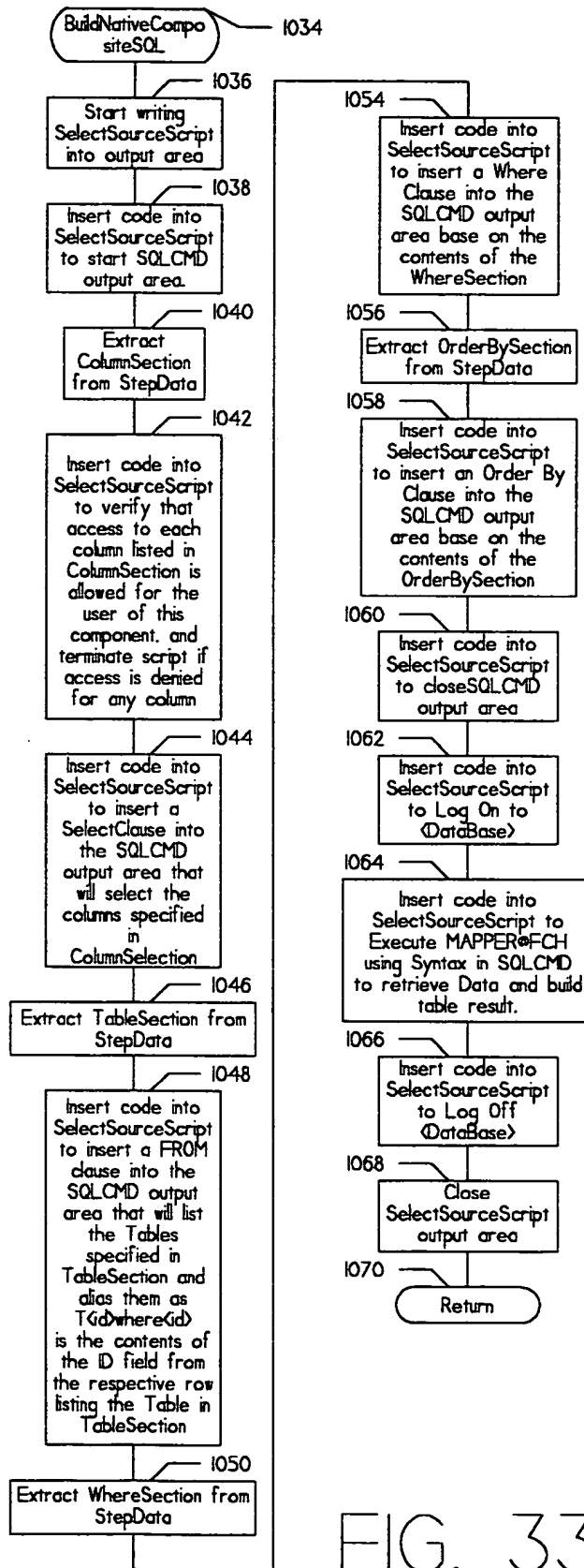


FIG. 33

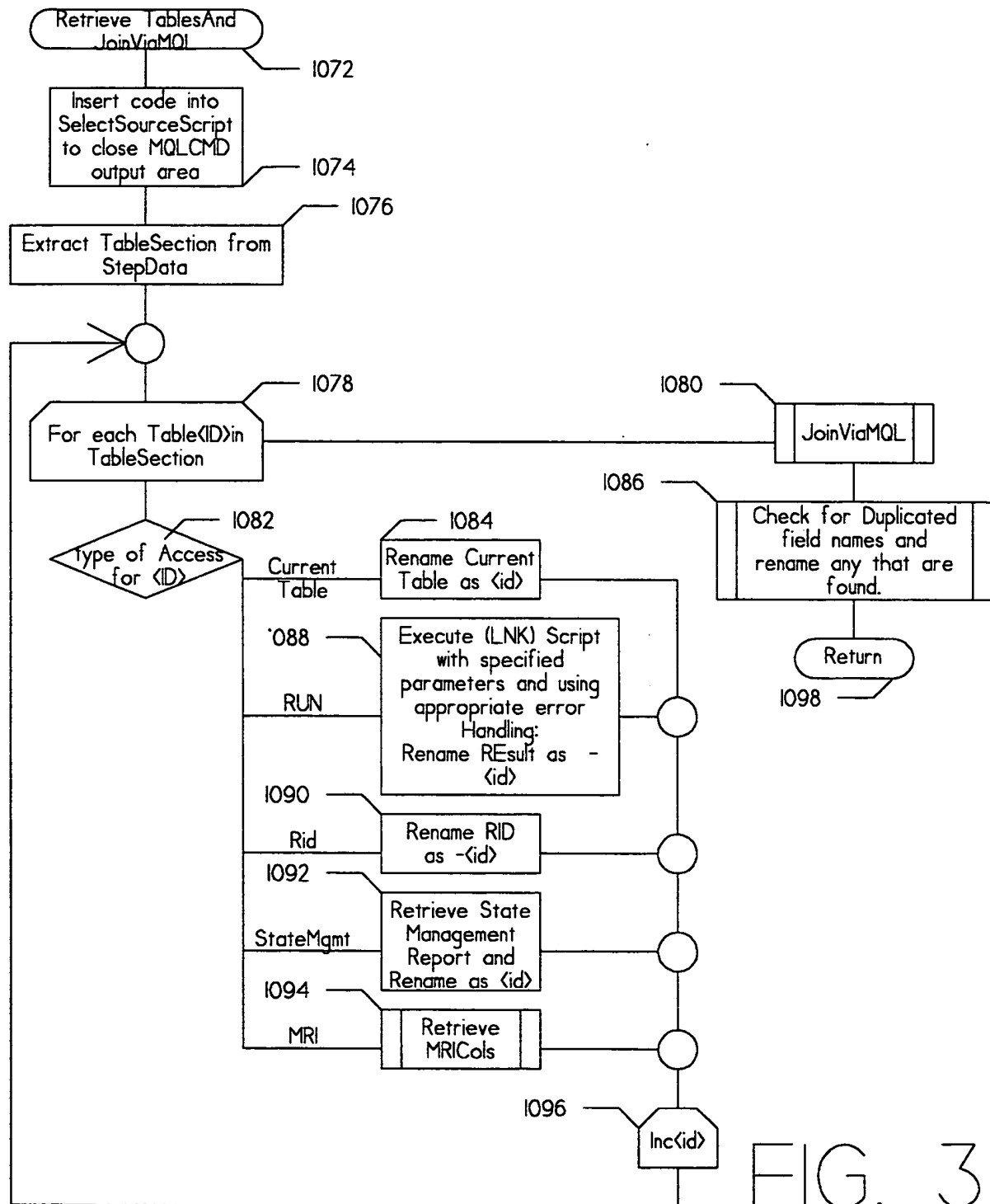


FIG. 34

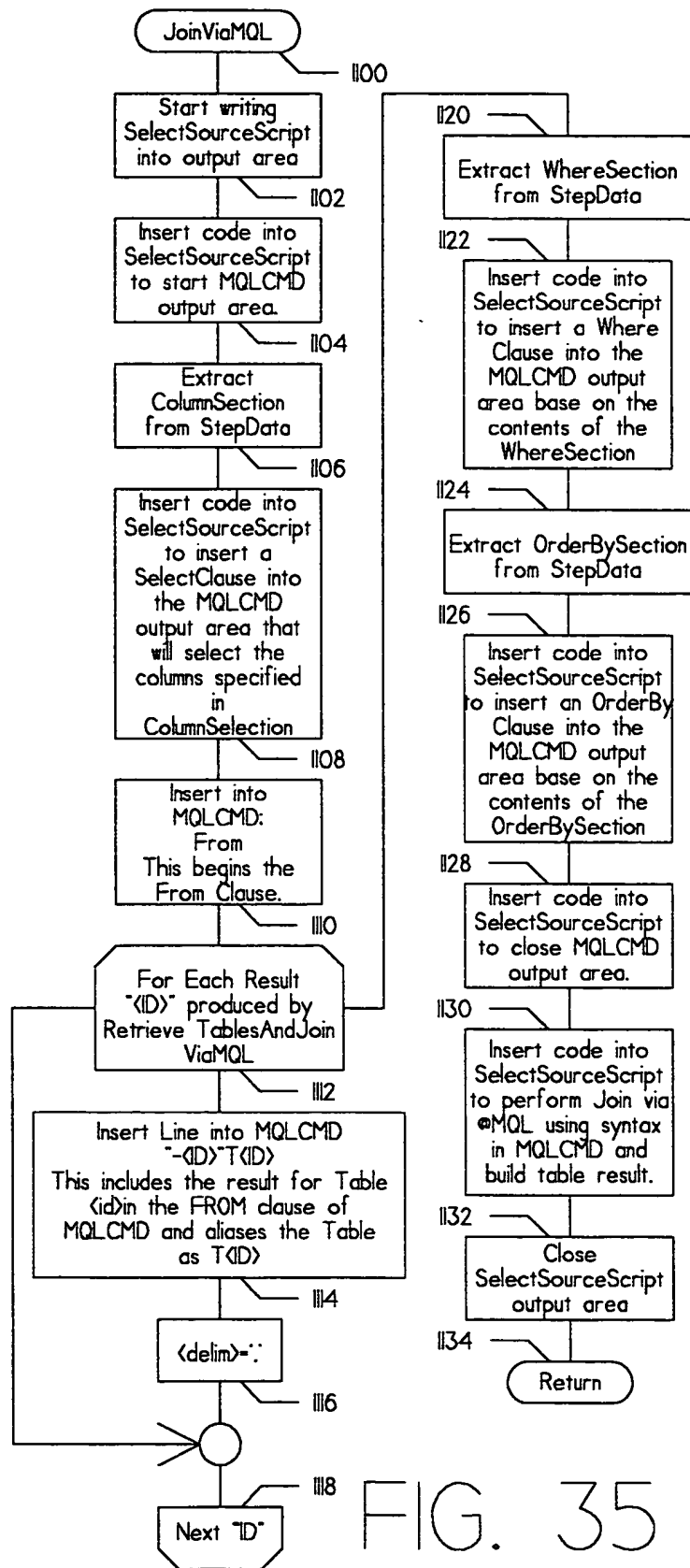


FIG. 35